

A. Food groups description

Group	Food items included (in Portuguese)
Beverages	<p> <i>Refresco tang; Bebida alcoólica; Cachaca; Caipirinha; Batida de qualquer sabor; Cerveja; Vinho; Suco; Suco natural de fruta; Suco de laranja; Suco de maracuja; Suco de goiaba; Suco de manga; Suco de uva; Suco de abacaxi; Limonada; Suco de acerola; Suco de morango; Suco natural, mistura de frutas; Suco de pessego; Suco verde; Suco de cupuacu; Suco natural de vegetais; Suco natural, mistura de frutas e vegetais; Suco de tamarindo; Suco detox; Suco de caja/ mangaba/ tapereba e outros regionais; Refresco de caju; Refresco de limao; Refresco de laranja; Refresco; Q-suco; Refresco de maracuja; Refrigerante de cola tradicional; Coca cola tradicional; Refrigerante de guarana tradicional; Refrigerante não especificado; Refrigerante de laranja tradicional; Refrigerante de uva tradicional; Guarana tradicional; Sprite refrigerante tradicional; Refrigerante de limao tradicional; Fanta laranja tradicional; Bebida refrigerante, tipo h2o; Refresco de guarana natural; Ice tea tradicional; Refrigerante de cola light; Toddynho; Leite achocolatado; Leite aromatizado; Bebida achocolatada; Leite de soja com sabor; Leite de soja em po; Cafe; Cafe com leite; Cafe tipo capuccino; Cafe tipo expresso; Cha mate; Chimarrao; Cha diet (preto, camomila, erva cidreira, capim limao, etc); Cha (preto, camomila, erva cidreira, capim limao, etc); Cha verde, cha branco, cha vermelho; Cha, ervas não especificado; Caldo de cana; Energetico; Bebida energetica; Bebida isotonica; Agua de coco; Cevada em po;</i> </p>
Meat	<p> <i>File mignon; Contrafile; Bisteca bovina; Alcatra; Picanha; Tatu (lagarto redondo); Musculo bovino; Chambaril; Carne marica bovina; Costela bovina; Rabada bovina; Mocoto bovino; Carne moida; Bife; Carne bovina; Bife a milanese; Bife de panela; Carne de panela; Hamburger de carne bovina; Costela; Churrasco; Churrasquinho; Bife a parmegiana; Almondega; Strogonoff / estrogonofe; Pacoca de carne de sol; Costela com aipim / macaxeira / mandioca; Carne com batata, inhame, batata baroa ou aipim; Carne com legumes (exceto batata, inhame e aipim); Carne de boi com legumes; Carne cozida com legumes e batata; Ensopado de carne com legumes e batata; Carne assada recheada; Carne desfiada; Lagarto recheado com cenoura; Lagarto recheado com linguica; Picadinho de carne; Quibe assado / quibe de forno; Strogonoff / estrogonofe de carne; Bisteca suina / bisteca de porco; Costela suina / costela de porco; Carne suina / carne de porco; Carne de porco; Pernil (de porco / suino); Carne de porco com legumes; Parte de galinha ou frango não especificada; Frango em pedacos; Galinha em pedacos; Carne de galinha; Frango desfiado; Peito de galinha ou frango; File de frango; Sobrecoxa / coxa de frango / galinha; Asa de galinha ou frango; Drumete de galinha ou frango; Peito de peru; Chester; Frango a passarinho; Hamburger de frango; Bife de frango ou galinha a parmegiana; Steak de frango; Galinha com arroz; Galinhada; Galinhada caipira; Frango com batata / inhame / batata baroa / aipim; Frango com legumes (exceto batata, inhame e aipim); Frango caipira; Frango ensopado; Frango ou galinha com pequi; Frango ou galinha ao molho pardo / galinha de cabidela; Fricasse de frango ou galinha; Strogonoff / estrogonofe de frango ou galinha; File de peixe; Peixe do mar (em posta, em file, etc); Ceviche de peixe; Sashimi; Peixe de agua doce (em posta, em file, etc); Peixe não especificado (em posta, em file, etc); Sardinha em conserva; Atum em conserva; Salmao em conserva; Peixe salgado (em posta, em file, etc); Bacalhau; Peixe de agua doce salgado (em posta, em file, etc); Bobo de camarao; Caldo de pinto; Camarao com molho branco; Peixe assado com legumes e batatas; Peixe ensopado com batatas; Peixe ao leite de coco; Carne de sol; Carne salgada não especificada;</i> </p>

Group	Food items included (in Portuguese)
	<i>Linguica (suina, bovina, mista, etc); Linguica calabresa; Linguica de frango; Salsicha; Mortadela; Presunto; Salame; Salaminho; Pate (figado, calabres, frango, presunto, etc); Figado bovino; Figado bovino (bife); Lingua bovina; Lingua suina / lingua de porco; Bucho / dobradinha ensopado(a); Coracao de frango; Figado de galinha ou frango; ,</i>
Cereals	<i>Arroz (polido, parboilizado, agulha, agulhinha, etc); Arroz branco; Arroz integral; Arroz 7 grãos; Risoto; Sushi; Charuto de repolho com frango ; Arroz à grega ; Arroz carreteiro/arroz tropeiro ; Maria isabel; Arroz de leite; Arroz chop suey; Arroz com frango e pequi; Arroz com legumes; Arroz com lentilha; Arroz com macarrão / aletria / alitria / cabelo de anjo; Arroz com salsicha / linguiça; Arroz com frango / arroz com capote; Bolinho de arroz; Temaki; Cuscuz; Pamonha; Milho verde em conserva; Angu de milho; Polenta; Pipoca doce ou salgada; Milho cozido; Cuscuz marroquino; ,</i>
Sweets	<i>Barra de chocolate; Brigadeiro; Chocolate; Bombom de qualquer marca; Ovo de pascoa; Tablete de chocolate; Chocolate, tablete não especificado; Confete; Chocolate, tablete, ao leite; Chocolate, tablete, branco; Chocolate, tablete, meio amargo; Chocolate, tablete, ao leite, recheado; Achocolatado em po; Canjica; Pudim de leite; Cuscuz com leite; Mousse; Doce de leite; Milk shake; Pudim de qualquer sabor; Curau de milho; Chande de qualquer sabor; Arroz-doce; Leite condensado; Pasta de amendoim; Doce de amendoim; Pacoca; Pacoquinha de amendoim; Goiabada; Doce de frutas em pasta de qualquer sabor; Banana flambada; Doce de frutas em calda de qualquer sabor; Geleia de frutas de qualquer marca ou sabor; Sorvete de qualquer sabor industrializado; Din din; Sorvete de casquinha / cone; Picole de qualquer sabor industrializado; Sorvete à base de iogurte; Rapadura; Sorvete sundae; Melado; Açúcar; Mel; Adocante artificial; Gelatina de qualquer sabor; Bala; Tapioca doce recheada; Gemada; Pizza doce de qualquer sabor; Jujuba; Pave de qualquer sabor; Doce de abobora; Barra de cereais; Pirulito; Crepe / panqueca de fruta com Açúcar e canela; Cocada; Geleia de mocoto; Bala de goma; Marshmallow; Crepe / panqueca de geleia; Churro; Barra de cereais doce; Pastel com recheio doce; Bala de fruta; Chicletes; Doce de frutas em barra ou pasta light; Geleia diet; ,</i>
Flour and pasta	<i>Lasanha; Beiju; Farinha de tapioca ; Tapioca de goma ; Tapioca; Farofa; Farofa com carne / linguica/ bacon; Farofa com ovos; Farofa de couve; Farofa pronta; Farofa de banana; Farinha de aveia; Aveia em flocos; Sucrilhos de milho; Cereal matinal de milho em flocos; Farinha lactea; Granola; Panqueca; Lasanha / lasanha de beringela; Crepe; Lazanha; Lasanha / lasanha de frango ou galinha; Miojo; Macarrão instantâneo; Macarrão; Macarronada; Macarrão com carne ; Macarrão com peixe ; Macarrão com salsicha ; Macarrão cremoso/sugo/tomate; Macarrão com frango ou galinha ; Massa/macarrão integral; Macarrão com queijo; Macarrão com legumes ; Macarrão com molho branco; Macarrão com camarão; Yakissoba; Yakissoba de carne; Macarão ao alho e óleo; Macarrão com linguiça; Salada de macarrão; ,</i>
Fruits	<i>Abacaxi; Açaí; Açaí com guaraná e granola; Banana da terra; Banana (ouro, prata, d'água, etc); Laranja (pêra, seleta, lima, da terra, etc); Maçã; Mamão; Papaia ; Manga; Melancia; Tangerina; Mexerica; Uva; Uva passa; Damasco; Fruta seca ou desidratada; Limão (comum, galego, etc); Abacate; Caqui; Melão; Pêra; Pêssego; Pinha (fruta de conde); Goiaba; Ameixa; Cereja; Cajá</i>

Group	Food items included (in Portuguese)
	<i>manga; Jabuticaba /jaboticaba; Morango; Sapoti; Pequi; Pitanga; Acerola; Kiwi; Abricó; Lichia; Salada de frutas; ,</i>
Dairy Products	<i>Leite de vaca integral; Leite de vaca fresco; Leite em po integral; Leite em po; Leite não especificado pasteurizado; Leite de vaca desnatado; Leite de vaca semidesnatado; Mucilon; Mingau de arroz; Mingau de milho; Mingau de maizena; Mingau (fuba, aveia, farinha, etc); Vitamina; Vitamina de banana; Vitamina de banana com aveia; Vitamina de mamão; Vitamina de abacate; Vitamina de morango; Vitamina mista; Vitamina de fruta com leite e cereal; Queijo prato; Queijo colonial; Queijo muçarela; Mussarela / mucarela; Queijo de minas; Queijo de coalho; Queijo canastra; Queijo ricota; Queijo ralado; Requeijão; Queijo cremoso; Queijo não especificado; Iogurte de qualquer sabor; Iogurte desnatado; Iogurte natural; Coalhada; Creme de leite; Yakult de qualquer sabor; Bebida láctea; Leite fermentado; Leite sem lactose; Kefir; Iogurte de qualquer sabor light; Queijo mussarela / mucarela light; Queijo de minas light; Requeijão light; Queijo não especificado light; ,</i>
Legumes	<i>Purê de abóbora / jerimum / gerimum; Abóbora; Cenoura; Chuchu; Pepino; Picles; Tomate; Cogumelo em conserva; Abobrinha; Jiló; Maxixe; Palmito in natura; Pimentão; Pimenta malagueta; Quiabo; Vagem; Berinjela / beringela; Alho; Vegetais não especificados; Nabo em conserva; Salada de legumes; Salada de legumes e verduras; Batata, cenoura e chuchu; Jardineira de legumes; Legumes gratinados; Refogadinho de legumes; Salada de legumes, verduras e frutas; Cogumelo in natura; ,</i>
Vegetables	<i>Feijão (preto, mulatinho, roxo, rosinha, etc); Feijão de corda; Feijão verde; Feijoada; Baião de dois; Feijão tropeiro; Tutu; Arroz com feijão; Dobradinha com feijão branco; Feijão com bacon; Feijão com linguiça; Proteína de soja; Tofu; Stroganoff / estrogonofe de carne de soja; Ervilha em grão; Andu; Grão de bico; Lentilha; Ervilha em vagem; Petit pois; ,</i>
Sauces and spices	<i>Ketchup; Molho de tomate; Mostarda molho; Shoyo; Canela; Sal; ,</i>
Oilseeds	<i>Coco seco ; Chia ; Coco verde ; Castanha do Brasil ; Licuri ; Castanhas não especificadas ; Castanhas e sementes, mistura; Tahini, pasta; Amendoim (em grão) (in natura) ; Castanha do Pará ; Castanha de Caju; Noz ; Amêndoa ; Coco não especificado ; ,</i>
Fats and oils	<i>Margarina com ou sem sal; Leite de coco; Azeite de oliva; Toucinho; Azeitona; Manteiga com ou sem sal; Maionese (molho); Bacon; Oleo de coco; Torresmo; Margarina light; ,</i>
Eggs	<i>Ovo de galinha; Ovos mexidos; Omelete; Ovo de codorna; Omelete com legumes; Omelete com carne; Omelete com queijo e presunto; ,</i>

Group	Food items included (in Portuguese)
Bread and bakery products	<p><i>Pão francês; Pão de sal; Pão com manteiga; Pão de forma industrializado de qualquer marca; Bisnaguinha; Pão com margarina; Torrada de qualquer Pão; Pão não especificado; Pãozinho; Pão careca; Pão de batata; Pão caseiro; Pão de trigo; Pão de hamburger; Pão de milho; Pão para wrap; Torrada doce; Pão integral; Pão arabe integral; Torrada integral; Pão de sal integral; Pão frances integral; Pão doce; Rosca doce; Panetone; Pão de leite; Pão doce com recheio; Pão de mel; Pão doce sem recheio; Bolo de chocolate; Bolo de milho ; Bolo de trigo; Bolo simples; Bolo de cenoura; Bolo de laranja; Bolo de mandioca ; Bolo doce com recheio e cobertura; Bolo de banana; Bolo de fubá; Bolo de tapioca ; Bolo de coco; Bolo de aipim ; Bolo de limao; Filhos (bolinho de farinha de trigo e ovos); Bolo de chocolate com recheio e cobertura; Bolo de cara; Bolo de arroz ; Bolo de cenoura sem recheio com cobertura; Tortas doces de qualquer sabor; Biscoito doce; Bolacha doce; Rosquinha doce; Broa; Biscoito salgado; Bolacha salgada; Biscoito de polvilho; Biscoito não especificado; Biscoito salgado integral; Biscoito recheado; Bolacha recheada; Salgadinho de milho (tipo doritos, fandangos, cheetos); Salgadinho batata chips (tipo ruffles); Chips (salgadinhos); Biscoito waffer / wafer light; Bolo diet simples; Bolacha salgada light; Pão integral light; Brioche; ,</i></p>
Snack foods	<p><i>Pizza; Pizza calabreza; Pizza de frango com catupiry; Pizza portuguesa; Pizza de queijos; Pizza mucarela / mussarela; Pão de queijo; Tapioca salgada recheada; Nuggets de frango; Salgadinho; Tapioca recheada com queijo; Tapioca recheio não-especificado; Pastel (queijo, carne, palmito, etc); Enroladinho; Tranca salgada recheada; Tapioca recheada com carne e queijo; Rosca recheada; Rissole / rizole (queijo, carne, camarao, etc); Empada (queijo, carne, camarao, etc); Pastel de forno/ pastel assado (queijo, carne, palmito, etc); Mini pastel; Mini chicken empanado; Croissant com recheio salgado; Esfirra; Bolinho de aipim; Coxinha; Quibe; Esfirra de carne; Esfirra de frango; Bolinha de queijo; Cachorro quente; Misto quente ou frio; Pão com queijo; Hamburger (sanduiche); Pão com mortadela; Pão com ovo; Pão com queijo e presunto; Wrap de carne; Sanduiche natural; Sanduiche de carne assada; Sanduiche de queijo prato com presunto; Sanduiche de queijo; Pão com presunto; Pão com carne assada; Pão com salame; Sanduiche de atum; Sanduiche de file; Pão com peito de peru; X-bacon; Sanduiche bauru; Wrap frango ou galinha; Sanduiche de presunto; Sanduiche de mortadela; Pão com rosbife; Americano; Cachorro quente completo; Sanduiche de queijo minas; Sanduiche de queijo prato; Sanduiche de peito de peru; Queijo quente; Tortas salgadas de qualquer sabor; Escondidinho de carne seca; Escondidinho de carne; Cuscuz paulista; Cuscuz de legumes; Quiche de peixes (salmao, atum, sardinha etc); Torta de frango ou galinha; Torta de carne; Torta de peixe / atum / sardinha; Torta de presunto e queijo; ,</i></p>
Mixed preparations	<p><i>Mexido; Creme de queijo; Cozido; Salada de maionese; Batata com molho branco e queijo; Cuscuz de arroz; ,</i></p>
Roots and tubers	<p><i>Batata doce; Batata inglesa; Batata (não especificada); Purê de batata; Batata palito; Batata palha; Mandioca; Pirão; Inhame; Beterraba; Nabo; ,</i></p>
Soups	<p><i>Canja; Caldo de carne; Caldo de feijao; Sopa (legumes, carne, etc); Sopa / creme de abobora; Sopa de feijao; Sopa de frango com legumes; Sopa de legumes; Sopa / caldo de mandioca / mandioquinha / batata baroa / inhame; Sopa de legumes macarrao e carne; Sopa / creme de ervilha; ,</i></p>

Group	<i>Food items included (in Portuguese)</i>
Supplements	<i>Complemento alimentar de qualquer sabor; Suplemento proteico e outros; Concentrado alimentar diet shake; Diet shake; Sustagem; Vitaminas, minerais e outros; ,</i>
Green vegetables	<i>Alface; Couve; Repolho; Repolho roxo; Repolho verde; Vinagrete; Salada ou verdura crua, exceto de fruta; Salada de alface, tomate e cebola; Salada de folhas; Salada de rúcula e tomate seco; Salada de tomate; Chicória; Couve-flor; Mostarda (verdura); Agrião; Acelga; Brócolis; Rúcula; Aspargos fresco; Vegetais folhosos não especificados; Salada ou verdura cozida, exceto de fruta; ,</i>

B. Food items by dietary pattern

Diet	Food items included (in Portuguese)
Vegan	<p>Macarrão com legumes ; Salada de legumes, verduras e frutas; Cuscuz de arroz; Refogadinho de legumes; Legumes gratinados; Bolinho de arroz; Batata, cenoura e chuchu; Arroz de brócolis / couve; Arroz com lentilha; Arroz com legumes; Pão com margarina; Arroz com feijão; Lasanha / lasanha de beringela; Salada de legumes e verduras; Salada de tomate; Salada de legumes; Salada de rúcula e tomate seco; Salada de folhas; Salada de alface, tomate e cebola; Salada ou verdura crua, exceto de fruta; Açaí com guaraná e granola; Açaí; Caldo verde; Farofa de banana; Cuscuz marroquino; Cuscuz de legumes; Arroz à grega ; Sopa / creme de ervilha; Sopa / caldo de mandioca / mandioquinha / batata baroa / inhame; Sopa de legumes; Sopa de feijão; Sopa / creme de abobora; Salada de frutas; Caldo de feijão; Farofa pronta; Farofa de couve; Farofa; Batata palha; Batata palito; Milho cozido; Café tipo expresso; Café; Pipoca doce ou salgada; Macarronada; Salada ou verdura cozida, exceto de fruta; Refresco de limão; Refresco de maracujá; Refresco de laranja; Refresco de caju; Refresco; Suco de pessego; Suco de morango; Suco de maracujá; Suco de manga; Suco de laranja; Suco de goiaba; Suco de cupuacu; Suco de acerola; Suco de abacaxi; Suco; Angu de milho; Óleo de coco; Azeite de oliva; Cerveja; Suco de uva; Suco de tamarindo; Suco de caja/ mangaba/ tapereba e outros regionais; Suco natural, mistura de frutas e vegetais; Suco natural, mistura de frutas; Suco natural de vegetais; Suco natural de fruta; Limonada; Ice tea tradicional; Água; Suco verde; Suco detox; Chá, ervas não especificado; Chá verde, chá branco, chá vermelho; Chá (preto, camomila, erva cidreira, capim limão, etc); Chá diet (preto, camomila, erva cidreira, capim limão, etc); Cevada em pó; Refrigerante não especificado; Chimarrão; Chá mate; Água de coco; Bebida refrigerante, tipo h2o; Água mineral com gás; Água mineral sem gás; Água mineral; Refrigerante de cola light; Refrigerante de uva tradicional; Refrigerante de limão tradicional; Sprite refrigerante tradicional; Refresco de guaraná natural; Guaraná tradicional; Refrigerante de guaraná tradicional; Refrigerante de laranja tradicional; Fanta laranja tradicional; Coca cola tradicional; Refrigerante de cola tradicional; Tapioca; Pão caseiro; Pão para wrap; Torrada integral; Pão não especificado; Pão francês integral; Pão de sal integral; Pão árabe integral; Pão integral; Pão de milho; Pãozinho; Pão de trigo; Pão de sal; Pão francês; Leite de soja em pó; Tofu; Leite de soja com sabor; Nabo em conserva; Picles; Milho verde em conserva; Petit pois; Azeitona; Vinagrete; Gergelim; Leite de coco; Açúcar; Beijú; Amendoim apimentado; Cuscuz; Fruta seca ou desidratada; Melado; Rapadura; Damasco; Lichia; Abricó; Kiwi; Acerola; Pitanga; Pequi; Sapoti; Morango; Jabuticaba / jaboticaba; Cajá manga; Cereja; Ameixa; Goiaba; Jaca; Uva passa; Uva; Pinha (fruta de conde); Fruta de conde; Pêssego; Pêra; Melão; Melancia; Manga; Papaia ; Mamão; Maçã; Caqui; Abacate; Abacaxi; Mexerica; Tangerina; Limão (comum, galego, etc); Laranja (pêra, seleta, lima, da terra, etc); Banana (ouro, prata, d'água, etc); Banana da terra; Vegetais não especificados; Vegetais folhosos não especificados; Aspargos fresco; Alho; Cebola; Ervilha em vagem; Berinjela / beringela; Vagem; Tomate; Quiabo; Pimenta malagueta; Pimentão; Palmito in natura; Maxixe; Jiló; Chuchu; Pepino; Abóbora; Abobrinha; Rúcula; Brócolis; Acelga; Agrião; Repolho verde; Repolho roxo; Repolho; Mostarda (verdura); Couve flor; Couve; Chicória; Alface; Tahini, pasta; Castanhas e sementes, mistura; Castanhas não especificadas ; Coco não especificado ; Noz ; Licuri ; Castanha de Caju; Castanha do Brasil ; Castanha do Pará ; Amêndoa ; Coco verde ; Coco seco ; Massa/macarrão integral; Salada de</p>

Diet	Food items included (in Portuguese)
	<p>macarrão; Proteína de soja; Granola; Purê de batata; Macarrão; Fibra de soja; Tapioca de goma ; Farinha de tapioca ; Cereal matinal de milho em flocos; Sucrilhos de milho; Aveia em flocos; Farinha de aveia; Gengibre; Nabo; Cenoura; Beterraba; Batata (não especificada); Mandioca; Inhame; Batata doce; Batata inglesa; Chia ; Feijão (preto, mulatinho, roxo, rosinha, etc); Lentilha; Grão de bico; Andu; Linhaça ; Feijão verde; Feijão de corda; Ervilha em grão; Amendoim (em grão) (in natura) ; Arroz 7 grãos; Arroz integral; Arroz branco; Arroz (polido, parboilizado, agulha, agulhinha, etc)</p>
Vegetarian	<p>Strogonoff / estrogonofe de carne de soja; Macarrão cremoso/sugo/tomate; Macarrão com molho branco; Macarrão com legumes ; Macarã ao alho e óleo; Macarrão com queijo; Salada de legumes, verduras e frutas; Cuscuz de arroz; Refogadinho de legumes; Legumes gratinados; Bolinho de arroz; Bolinha de queijo; Batata, cenoura e chuchu; Batata com molho branco e queijo; Arroz de brócolis / couve; Arroz com macarrão / aletria / alitria / cabelo de anjo; Arroz com lentilha; Arroz com legumes; Arroz de leite; Pão com margarina; Pão com manteiga; Arroz com feijão; Lasanha / lasanha de berinjela; Salada de legumes e verduras; Salada de tomate; Salada de legumes; Salada de rúcula e tomate seco; Salada de folhas; Salada de alface, tomate e cebola; Salada ou verdura crua, exceto de fruta; Açaí com guaraná e granola; Açaí; Caldo verde; Omelete com queijo e presunto; Omelete com legumes; Omelete com carne; Omelete; Farofa de banana; Cuscuz marroquino; Cuscuz de legumes; Cuscuz paulista; Arroz à grega ; Sopa / creme de ervilha; Sopa / caldo de mandioca / mandioquinha / batata baroa / inhame; Sopa de legumes; Sopa de feijão; Sopa / creme de abóbora; Salada de frutas; Caldo de feijão; Farofa pronta; Mingau (fuba, aveia, farinha, etc); Farofa de couve; Farofa com ovos; Farofa; Batata palha; Batata palito; Milho cozido; Café tipo capuccino; Café tipo expresso; Café com leite; Café; Pipoca doce ou salgada; Pizza napolitana; Pizza de queijos; Macarronada; Pizza muçarela / mussarela; Panqueca; Salada de maionese; Salada ou verdura cozida, exceto de fruta; Refresco tang; Refresco de limão; Refresco de maracujá; Refresco de laranja; Refresco de caju; Refresco; Vitamina de fruta com leite e cereal; Vitamina mista; Vitamina de morango; Vitamina de abacate; Vitamina de mamão; Vitamina de banana com aveia; Vitamina de banana; Vitamina; Suco de pêssego; Suco de morango; Suco de maracujá; Suco de manga; Suco de laranja; Suco de goiaba; Suco de cupuacu; Suco de acerola; Suco de abacaxi; Suco; Polenta; Angu de milho; Óleo de coco; Azeite de oliva; Cerveja; Suco de uva; Suco de tamarindo; Suco de caja/ mangaba/ tapereba e outros regionais; Suco natural, mistura de frutas e vegetais; Suco natural, mistura de frutas; Suco natural de vegetais; Suco natural de fruta; Limonada; Ice tea tradicional; Água; Suco verde; Suco detox; Chá, ervas não especificado; Chá verde, chá branco, chá vermelho; Chá (preto, camomila, erva cidreira, capim limão, etc); Chá diet (preto, camomila, erva cidreira, capim limão, etc); Cevada em pó; Refrigerante não especificado; Chamarão; Chá mate; Q-suco; Água de coco; Bebida refrigerante, tipo H₂O; Água mineral com gás; Água mineral sem gás; Água mineral; Refrigerante de cola light; Refrigerante de uva tradicional; Refrigerante de limão tradicional; Sprite refrigerante tradicional; Refresco de guarana natural; Guarana tradicional; Refrigerante de guarana tradicional; Refrigerante de laranja tradicional; Fanta laranja tradicional; Coca cola tradicional; Refrigerante de cola tradicional; Tapioca; Pão caseiro; Pão de batata; Pão para wrap; Crepe; Brioche; Torrada integral; Torrada doce; Torrada de qualquer Pão; Pão não especificado; Pão francês integral; Pão</p>

Diet	Food items included (in Portuguese)
	<p>de sal integral; Pão arabe integral; Pão integral; Pão de milho; Pão de forma industrializado de qualquer marca; Bisnaguinha; Pãozinho; Pão careca; Pão de trigo; Pão de sal; Pão de hamburger; Pão francês; Kefir; Leite sem lactose; Queijo não especificado light; Requeijao light; Queijo de minas light; Queijo mussarela / mucarela light; Iogurte de qualquer sabor light; Leite não especificado pasteurizado; Leite de vaca semidesnatado; Leite de vaca desnatado; Leite de soja em po; Tofu; Bebida achocolatada; Leite aromatizado; Leite achocolatado; Leite com sabor; Queijo não especificado; Queijo cremoso; Requeijao; Queijo polenguinho; Queijo ralado; Leite de soja com sabor; Queijo ricota; Queijo canastra; Queijo de coalho; Queijo de minas; Mussarela / mucarela; Queijo muzarella; Queijo colonial; Queijo prato; Manteiga com ou sem sal; Coalhada; Leite fermentado; Bebida lactea; Yakult de qualquer sabor; Iogurte natural; Iogurte desnatado; Iogurte de qualquer sabor; Creme de leite; Leite em po; Leite em po integral; Leite de vaca fresco; Leite de vaca integral; Ovos mexidos; Ovo de codorna; Ovo de galinha; Nabo em conserva; Picles; Milho verde em conserva; Petit pois; Azeitona; Vinagrete; Gergelim; Creme de queijo; Leite de coco; Toddyinho diet; Açúcar; Pamonha; Beijú; Amendoim apimentado; Cuscuz; Fruta seca ou desidratada; Melado; Toddyinho; Rapadura; Damasco; Lichia; Abriçó; Kiwi; Acerola; Pitanga; Pequi; Sapoti; Morango; Jabuticaba / jaboticaba; Cajá manga; Cereja; Ameixa; Goiaba; Jaca; Uva passa; Uva; Pinha (fruta de conde); Fruta de conde; Pêssego; Pêra; Melão; Melancia; Manga; Papaia ; Mamão; Maçã; Caqui; Abacate; Abacaxi; Mexerica; Tangerina; Limão (comum, galego, etc); Laranja (pêra, seleta, lima, da terra, etc); Banana (ouro, prata, d'água, etc); Banana da terra; Vegetais não especificados; Vegetais folhosos não especificados; Aspargos fresco; Alho; Cebola; Ervilha em vagem; Berinjela / beringela; Vagem; Tomate; Quiabo; Pimenta malagueta; Pimentão; Palmito in natura; Maxixe; Jiló; Chuchu; Pepino; Abóbora; Abobrinha; Rúcula; Brócolis; Acelga; Agrião; Repolho verde; Repolho roxo; Repolho; Mostarda (verdura); Couve flor; Couve; Chicória; Alface; Tahini, pasta; Castanhas e sementes, mistura; Castanhas não especificadas ; Coco não especificado ; Noz ; Licuri ; Castanha de Caju; Castanaha do Brasil ; Castanha do Pará ; Amêndoa ; Coco verde ; Coco seco ; Massa/macarrão integral; Salada de macarrão; Proteína de soja; Macarrão instantâneo; Miojo; Granola; Purê de abóbora / jerimum / gerimum; Purê de batata; Macarrão; Fibra de soja; Farinha lactea; Tapioca de goma ; Farinha de tapioca ; Cereal matinal de milho em flocos; Sucrilhos de milho; Mingau de maizena; Mingau de milho; Aveia em flocos; Farinha de aveia; Mingau de arroz; Mucilon; Gengibre; Nabo; Cenoura; Beterraba; Batata (não especificada); Mandioca; Inhamé; Batata doce; Batata inglesa; Chia ; Feijão (preto, mulatinho, roxo, rosinha, etc); Lentilha; Grão de bico; Andu; Linhaça ; Feijão verde; Feijão de corda; Ervilha em grão; Amendoim (em grão) (in natura) ; Arroz 7 grãos; Arroz integral; Arroz branco; Arroz (polido, parboilizado, agulha, agulhinha, etc)</p>
Pescatarian	<p>Torta de peixe / atum / sardinha; Torta de camarão / frutos do mar; Stroganoff / estrogonofe de carne de soja; Macarrão cremoso/sugo/tomate; Macarrão com molho branco; Macarrão com legumes ; Macarão ao alho e óleo; Macarrão com queijo; Macarrão com camarão; Salada de legumes, verduras e frutas; Cuscuz de arroz; Temaki; Refogadinho de legumes; Quiche de peixes (salmao, atum, sardinha etc); Peixe ao leite de coco; Peixe ensopado com batatas; Peixe assado com legumes e batatas; Legumes gratinados; Camarao com molho branco; Bolinho de arroz; Bolinha de queijo; Batata, cenoura e chuchu; Batata com molho branco e queijo; Arroz de brócolis</p>

Diet	Food items included (in Portuguese)
	<p>/ couve; Arroz com macarrão / aletria / alitria / cabelo de anjo; Arroz com lentilha; Arroz com legumes; Arroz de leite; Pão com margarina; Pão com manteiga; Arroz com feijão; Lasanha / lasanha de beringela; Salada de legumes e verduras; Salada de tomate; Salada de legumes; Salada de rúcula e tomate seco; Salada de folhas; Salada de alface, tomate e cebola; Salada ou verdura crua, exceto de fruta; Açaí com guaraná e granola; Açaí; Caldo verde; Pirão; Omelete com queijo e presunto; Omelete com legumes; Omelete com carne; Omelete; Farofa de banana; Cuscuz marroquino; Cuscuz de legumes; Cuscuz paulista; Bobo de camara; Arroz à grega ; Sopa / creme de ervilha; Sopa / caldo de mandioca / mandioquinha / batata baroa / inhame; Sopa de legumes; Sopa de feijão; Sopa / creme de abobora; Salada de frutas; Sushi; Caldo de feijão; Farofa pronta; Risoto; Mingau (fuba, aveia, farinha, etc); Farofa de couve; Farofa com ovos; Farofa; Batata palha; Batata palito; Milho cozido; Cafe tipo capuccino; Cafe tipo expresso; Cafe com leite; Cafe; Pipoca doce ou salgada; Pizza de peixe (atum, salmao, sardinha); Pizza napolitana; Pizza de queijos; Macarronada; Pizza mucarela / mussarela; Panqueca; Salada de maionese; Salada ou verdura cozida, exceto de fruta; Refresco tang; Refresco de limao; Refresco de maracuja; Refresco de laranja; Refresco de caju; Refresco; Vitamina de fruta com leite e cereal; Vitamina mista; Vitamina de morango; Vitamina de abacate; Vitamina de mamao; Vitamina de banana com aveia; Vitamina de banana; Vitamina; Suco de pessego; Suco de morango; Suco de maracuja; Suco de manga; Suco de laranja; Suco de goiaba; Suco de cupuacu; Suco de acerola; Suco de abacaxi; Suco; Polenta; Angu de milho; Oleo de coco; Azeite de oliva; Cerveja; Suco de uva; Suco de tamarindo; Suco de caja/ mangaba/ tapereba e outros regionais; Suco natural, mistura de frutas e vegetais; Suco natural, mistura de frutas; Suco natural de vegetais; Suco natural de fruta; Limonada; Ice tea tradicional; Agua; Suco verde; Suco detox; Cha, ervas não especificado; Cha verde, cha branco, cha vermelho; Cha (preto, camomila, erva cidreira, capim limao, etc); Cha diet (preto, camomila, erva cidreira, capim limao, etc); Cevada em po; Refrigerante não especificado; Chimarrao; Cha mate; Q-suco; Agua de coco; Bebida refrigerante, tipo h2o; Agua mineral com gas; Agua mineral sem gas; Agua mineral; Refrigerante de cola light; Refrigerante de uva tradicional; Refrigerante de limao tradicional; Sprite refrigerante tradicional; Refresco de guarana natural; Guarana tradicional; Refrigerante de guarana tradicional; Refrigerante de laranja tradicional; Fanta laranja tradicional; Coca cola tradicional; Refrigerante de cola tradicional; Tapioca; Pão caseiro; Pão de batata; Pão para wrap; Crepe; Brioche; Torrada integral; Torrada doce; Torrada de qualquer Pão; Pão não especificado; Pão frances integral; Pão de sal integral; Pão arabe integral; Pão integral; Pão de milho; Pão de forma industrializado de qualquer marca; Bisnaguinha; Pãozinho; Pão careca; Pão de trigo; Pão de sal; Pão de hamburger; Pão francês; Kefir; Leite sem lactose; Queijo não especificado light; Requeijao light; Queijo de minas light; Queijo mussarela / mucarela light; Iogurte de qualquer sabor light; Leite não especificado pasteurizado; Leite de vaca semidesnatado; Leite de vaca desnatado; Leite de soja em po; Tofu; Bebida achocolatada; Leite aromatizado; Leite achocolatado; Leite com sabor; Queijo não especificado; Queijo cremoso; Requeijao; Queijo polenguinho; Queijo ralado; Leite de soja com sabor; Queijo ricota; Queijo canastra; Queijo de coalho; Queijo de minas; Mussarela / mucarela; Queijo muzarella; Queijo colonial; Queijo prato; Manteiga com ou sem sal; Coalhada; Leite fermentado; Bebida lactea; Yakult de qualquer sabor; Iogurte natural; Iogurte desnatado; Iogurte</p>

Diet	Food items included (in Portuguese)
	<p><i>de qualquer sabor; Creme de leite; Leite em po; Leite em po integral; Leite de vaca fresco; Leite de vaca integral; Ovos mexidos; Ovo de codorna; Ovo de galinha; Salmao em conserva; Nabo em conserva; Picles; Atum em conserva; Sardinha em conserva; Milho verde em conserva; Petit pois; Azeitona; Peixe não especificado (em posta, em file, etc); Peixe de agua doce salgado (em posta, em file, etc); Peixe de agua doce (em posta, em file, etc); Steak de peixe ; File de peixe; Sashimi; Ceviche de peixe; Bacalhau; Peixe salgado (em posta, em file, etc); Peixe do mar (em posta, em file, etc); Vinagrete; Gergelim; Creme de queijo; Leite de coco; Toddyinho diet; Açúcar; Pamonha; Beiju; Amendoim apimentado; Cuscuz; Fruta seca ou desidratada; Melado; Toddyinho; Rapadura; Damasco; Lichia; Abrió; Kiwi; Acerola; Pitanga; Pequi; Sapoti; Morango; Jabuticaba / jaboticaba; Cajá manga; Cereja; Ameixa; Goiaba; Jaca; Uva passa; Uva; Pinha (fruta de conde); Fruta de conde; Pêssego; Pêra; Melão; Melancia; Manga; Papaia ; Mamão; Maçã; Caqui; Abacate; Abacaxi; Mexerica; Tangerina; Limão (comum, galego, etc); Laranja (pêra, seleta, lima, da terra, etc); Banana (ouro, prata, d'água, etc); Banana da terra; Vegetais não especificados; Vegetais folhosos não especificados; Aspargos fresco; Alho; Cebola; Ervilha em vagem; Berinjela / beringela; Vagem; Tomate; Quiabo; Pimenta malagueta; Pimentão; Palmito in natura; Maxixe; Jiló; Chuchu; Pepino; Abóbora; Abobrinha; Rúcula; Brócolis; Acelga; Agrião; Repolho verde; Repolho roxo; Repolho; Mostarda (verdura); Couve flor; Couve; Chicória; Alface; Tahini, pasta; Castanhas e sementes, mistura; Castanhas não especificadas ; Coco não especificado ; Noz ; Licuri ; Castanha de Caju; Castanaha do Brasil ; Castanha do Pará ; Amêndoa ; Coco verde ; Coco seco ; Massa/macarrão integral; Salada de macarrão; Macarrão com peixe ; Proteína de soja; Macarrão instantâneo; Miojo; Granola; Purê de abóbora / jerimum / gerimum; Purê de batata; Macarrão; Fibra de soja; Farinha lactea; Tapioca de goma ; Farinha de tapioca ; Cereal matinal de milho em flocos; Sucrilhos de milho; Mingau de maizena; Mingau de milho; Aveia em flocos; Farinha de aveia; Mingau de arroz; Mucilon; Gengibre; Nabo; Cenoura; Beterraba; Batata (não especificada); Mandioca; Inhame; Batata doce; Batata inglesa; Chia ; Feijão (preto, mulatinho, roxo, rosinha, etc); Lentilha; Grão de bico; Andu; Linhaça ; Feijão verde; Feijão de corda; Ervilha em grão; Amendoim (em grão) (in natura) ; Arroz 7 grãos; Arroz integral; Arroz branco; Arroz (polido, parboilizado, agulha, agulhinha, etc)</i></p>
No red meat	<p><i>Torta de peixe / atum / sardinha; Torta de camarao / frutos do mar; Torta de frango ou galinha; Strogonoff / estrogonofe de frango ou galinha; Strogonoff / estrogonofe de carne de soja; Macarrão cremoso/sugo/tomate; Macarrão com molho branco; Macarrão com legumes ; Macarrão com frango ou galinha ; Macarão ao alho e óleo; Macarrão com queijo; Macarrão com camarão; Salada de legumes, verduras e frutas; Cuscuz de arroz; Temaki; Refogadinho de legumes; Quiche de peixes (salmao, atum, sardinha etc); Peixe ao leite de coco; Peixe ensopado com batatas; Peixe assado com legumes e batatas; Legumes gratinados; Fricasse de frango ou galinha; Frango ou galinha ao molho pardo / galinha de cabidela; Frango ou galinha com pequi; Frango ensopado; Frango caipira; Camarao com molho branco; Caldo de pinto; Bolinho de arroz; Bolinha de queijo; Bife de frango ou galinha a parmegiana; Batata, cenoura e chuchu; Batata com molho branco e queijo; Arroz com frango / arroz com capote; Arroz de brócolis / couve; Arroz com macarrão / aletria / alitria / cabelo de anjo; Arroz com lentilha; Arroz com legumes; Arroz com frango e pequi; Arroz de leite; Arroz carreteiro/arroz tropeiro ; Frango com legumes (exceto batata,inhame e</i></p>

Diet	Food items included (in Portuguese)
	<p> <i>aipim</i>); Frango com batata / inhame / batata baroa / aipim; Pão com margarina; Pão com manteiga; Arroz com feijão; Lasanha / lasanha de frango ou galinha; Lasanha / lasanha de beringela; Salada de legumes e verduras; Salada de tomate; Salada de legumes; Salada de rúcula e tomate seco; Salada de folhas; Salada de alface, tomate e cebola; Salada ou verdura crua, exceto de fruta; Açaí com guaraná e granola; Açaí; Caldo verde; Pirão; Omelete com queijo e presunto; Omelete com legumes; Omelete com carne; Omelete; Galinhada caipira; Galinhada; Galinha com arroz; Farofa de banana; Cuscuz marroquino; Cuscuz de legumes; Cuscuz paulista; Bobo de camara; Arroz à grega ; Charuto de repolho com frango ; Salpicão; Sopa / creme de ervilha; Sopa / caldo de mandioca / mandioquinha / batata baroa / inhame; Sopa de legumes; Sopa de frango com legumes; Sopa de feijão; Sopa / creme de abóbora; Salada de frutas; Sushi; Caldo de feijão; Farofa pronta; Risoto; Mingau (fuba, aveia, farinha, etc); Farofa de couve; Farofa com ovos; Farofa; Batata palha; Batata palito; Milho cozido; Café tipo capuccino; Café tipo expresso; Café com leite; Café; Pipoca doce ou salgada; Pizza de peixe (atum, salmão, sardinha); Pizza de frango com catupiry; Pizza napolitana; Pizza de queijos; Macarronada; Pizza muçarela / mussarela; Panqueca; Salada de maionese; Salada ou verdura cozida, exceto de fruta; Refresco tang; Refresco de limão; Refresco de maracujá; Refresco de laranja; Refresco de caju; Refresco; Vitamina de fruta com leite e cereal; Vitamina mista; Vitamina de morango; Vitamina de abacate; Vitamina de mamão; Vitamina de banana com aveia; Vitamina de banana; Vitamina; Suco de pessego; Suco de morango; Suco de maracujá; Suco de manga; Suco de laranja; Suco de goiaba; Suco de cupuacu; Suco de acerola; Suco de abacaxi; Suco; Esfirra de frango; Polenta; Angu de milho; Coxinha; Óleo de coco; Azeite de oliva; Cerveja; Suco de uva; Suco de tamarindo; Suco de caja/ mangaba/ tapereba e outros regionais; Suco natural, mistura de frutas e vegetais; Suco natural, mistura de frutas; Suco natural de vegetais; Suco natural de fruta; Limonada; Ice tea tradicional; Água; Suco verde; Suco detox; Chá, ervas não especificado; Chá verde, chá branco, chá vermelho; Chá (preto, camomila, erva cidreira, capim limão, etc); Chá diet (preto, camomila, erva cidreira, capim limão, etc); Cevada em pó; Refrigerante não especificado; Chimarrão; Chá mate; Q-suco; Água de coco; Bebida refrigerante, tipo h2o; Água mineral com gás; Água mineral sem gás; Água mineral; Refrigerante de cola light; Refrigerante de uva tradicional; Refrigerante de limão tradicional; Sprite refrigerante tradicional; Refresco de guaraná natural; Guaraná tradicional; Refrigerante de guaraná tradicional; Refrigerante de laranja tradicional; Fanta laranja tradicional; Coca cola tradicional; Refrigerante de cola tradicional; Mini chicken empanado; Linguiça de frango; Hamburger de frango; Tapioca; Pão caseiro; Pão de batata; Pão para wrap; Crepe; Brioche; Torrada integral; Torrada doce; Torrada de qualquer Pão; Pão não especificado; Pão francês integral; Pão de sal integral; Pão árabe integral; Pão integral; Pão de milho; Pão de forma industrializado de qualquer marca; Bisnaguinha; Pãozinho; Pão careca; Pão de trigo; Pão de sal; Pão de hamburger; Pão francês; Kefir; Leite sem lactose; Queijo não especificado light; Requeijão light; Queijo de Minas light; Queijo mussarela / muçarela light; Iogurte de qualquer sabor light; Leite não especificado pasteurizado; Leite de vaca semidesnatado; Leite de vaca desnatado; Leite de soja em pó; Tofu; Bebida achocolatada; Leite aromatizado; Leite achocolatado; Leite com sabor; Queijo não especificado; Queijo cremoso; Requeijão; Queijo polenguinho; Queijo ralado; Leite de soja com sabor; Queijo ricota; Queijo canastra; Queijo de coalho; Queijo de </p>

Diet	Food items included (in Portuguese)
	<p>minas; Mussarela / mucarela; Queijo muzarella; Queijo colonial; Queijo prato; Manteiga com ou sem sal; Coalhada; Leite fermentado; Bebida lactea; Yakult de qualquer sabor; Iogurte natural; Iogurte desnatado; Iogurte de qualquer sabor; Creme de leite; Leite em po; Leite em po integral; Leite de vaca fresco; Leite de vaca integral; Frango a passarinho; Ovos mexidos; Peito de peru light; Ovo de codorna; Ovo de galinha; Steak de frango; Nuggets de frango; Chester; Peito de peru; Peru em pedaco não especificado; Canja; Fígado de galinha ou frango; Coracao de frango; Moela de galinha ou frango; Drumete de galinha ou frango; Asa de galinha ou frango; Sobrecoxa / coxa de frango / galinha; File de frango; Peito de galinha ou frango; Frango desfiado; Carne de galinha; Galinha em pedacos; Frango em pedacos; Parte de galinha ou frango não especificada; Salmao em conserva; Nabo em conserva; Picles; Atum em conserva; Sardinha em conserva; Milho verde em conserva; Petit pois; Azeitona; Peixe não especificado (em posta, em file, etc); Peixe de agua doce salgado (em posta, em file, etc); Peixe de agua doce (em posta, em file, etc); Steak de peixe ; File de peixe; Sashimi; Ceviche de peixe; Bacalhau; Peixe salgado (em posta, em file, etc); Peixe do mar (em posta, em file, etc); Vinagrete; Gergelim; Creme de queijo; Leite de coco; Toddynho diet; Açúcar; Pamonha; Beiju; Amendoim apimentado; Cuscuz; Fruta seca ou desidratada; Melado; Toddynho; Rapadura; Damasco; Lichia; Abricó; Kiwi; Acerola; Pitanga; Pequii; Sapoti; Morango; Jabuticaba / jaboticaba; Cajá manga; Cereja; Ameixa; Goiaba; Jaca; Uva passa; Uva; Pinha (fruta de conde); Fruta de conde; Pêssego; Pêra; Melão; Melancia; Manga; Papaia ; Mamão; Maçã; Caqui; Abacate; Abacaxi; Mexerica; Tangerina; Limão (comum, galego, etc); Laranja (pêra, seleta, lima, da terra, etc); Banana (ouro, prata, d'água, etc); Banana da terra; Vegetais não especificados; Vegetais folhosos não especificados; Aspargos fresco; Alho; Cebola; Ervilha em vagem; Berinjela / beringela; Vagem; Tomate; Quiabo; Pimenta malagueta; Pimentão; Palmito in natura; Maxixe; Jiló; Chuchu; Pepino; Abóbora; Abobrinha; Rúcula; Brócolis; Acelga; Agrião; Repolho verde; Repolho roxo; Repolho; Mostarda (verdura); Couve flor; Couve; Chicória; Alface; Tahini, pasta; Castanhas e sementes, mistura; Castanhas não especificadas ; Coco não especificado ; Noz ; Licuri ; Castanha de Caju; Castanaha do Brasil ; Castanha do Pará ; Amêndoa ; Coco verde ; Coco seco ; Massa/macarrão integral; Salada de macarrão; Macarrão com peixe ; Proteína de soja; Macarrão instantâneo; Miojo; Granola; Purê de abóbora / jerimum / gerimum; Purê de batata; Macarrão; Fibra de soja; Farinha lactea; Tapioca de goma ; Farinha de tapioca ; Cereal matinal de milho em flocos; Sucrilhos de milho; Mingau de maizena; Mingau de milho; Aveia em flocos; Farinha de aveia; Mingau de arroz; Mucilon; Gengibre; Nabo; Cenoura; Beterraba; Batata (não especificada); Mandioca; Inhame; Batata doce; Batata inglesa; Chia ; Feijão (preto, mulatinho, roxo, rosinha, etc); Lentilha; Grão de bico; Andu; Linhaça ; Feijão verde; Feijão de corda; Ervilha em grão; Amendoim (em gão) (in natura) ; Arroz 7 grãos; Arroz integral; Arroz branco; Arroz (polido, parboilizado, agulha, agulhinha, etc)</p>
No beef	<p>Torta de presunto e queijo; Torta de peixe / atum / sardinha; Torta de camarao / frutos do mar; Torta de frango ou galinha; Feijão com bacon; Strogonoff / estrogonofe de frango ou galinha; Strogonoff / estrogonofe de carne de soja; Macarrão cremoso/sugo/tomate; Macarrão com molho branco; Macarrão com legumes ; Macarrão com frango ou galinha ; Macarão ao alho e óleo; Macarrão com queijo; Macarrão com camarão; Salada de legumes, verduras e frutas; Cuscuz de arroz; Temaki; Refogadinho de legumes; Quiche de peixes (salmao, atum, sardinha etc); Peixe ao</p>

Diet	Food items included (in Portuguese)
	<p> <i>leite de coco; Peixe ensopado com batatas; Peixe assado com legumes e batatas; Legumes gratinados; Fricasse de frango ou galinha; Frango ou galinha ao molho pardo / galinha de cabidela; Frango ou galinha com pequi; Frango ensopado; Frango caipira; Carne de porco com legumes; Camarao com molho branco; Caldo de pinto; Bolinho de arroz; Bolinha de queijo; Bife de frango ou galinha a parmegiana; Batata, cenoura e chuchu; Batata com molho branco e queijo; Arroz com frango / arroz com capote; Arroz de brócolis / couve; Arroz com macarrão / aletria / alitria / cabelo de anjo; Arroz com lentilha; Arroz com legumes; Arroz com frango e pequi; Arroz chop suey; Arroz de leite; Arroz carreteiro/arroz tropeiro ; Frango com legumes (exceto batata, inhame e aipim); Frango com batata / inhame / batata baroa / aipim; Pão com margarina; Pão com manteiga; Arroz com feijão; Lasanha / lasanha de frango ou galinha; Lasanha / lasanha de beringela; Salada de legumes e verduras; Salada de tomate; Salada de legumes; Salada de rúcula e tomate seco; Salada de folhas; Salada de alface, tomate e cebola; Salada ou verdura crua, exceto de fruta; Açaí com guaraná e granola; Açaí; Caldo verde; Tutu; Pirão; Omelete com queijo e presunto; Omelete com legumes; Omelete com carne; Omelete; Galinhada caipira; Galinhada; Galinha com arroz; Farofa de banana; Cuscuz marroquino; Cuscuz de legumes; Cuscuz paulista; Bobo de camarao; Arroz à grega ; Charuto de repolho com frango ; Salpicão; Sopa / creme de ervilha; Sopa / caldo de mandioca / mandioquinha / batata baroa / inhame; Sopa de legumes; Sopa de frango com legumes; Sopa de feijao; Sopa / creme de abobora; Salada de frutas; Sushi; Caldo de feijao; Farofa pronta; Risoto; Mingau (fuba, aveia, farinha, etc); Farofa de couve; Farofa com ovos; Farofa; Batata palha; Batata palito; Milho cozido; Cafe tipo capuccino; Cafe tipo expresso; Cafe com leite; Cafe; Pipoca doce ou salgada; Pizza de peixe (atum, salmao, sardinha); Pizza de frango com catupiry; Pizza napolitana; Pizza de queijos; Macarronada; Pizza portuguesa; Pizza presunto; Pizza mucarela / mussarela; Pizza calabreza; Panqueca; Salada de maionese; Salada ou verdura cozida, exceto de fruta; Refresco tang; Refresco de limao; Refresco de maracuja; Refresco de laranja; Refresco de caju; Refresco; Vitamina de fruta com leite e cereal; Vitamina mista; Vitamina de morango; Vitamina de abacate; Vitamina de mamão; Vitamina de banana com aveia; Vitamina de banana; Vitamina; Suco de pessego; Suco de morango; Suco de maracuja; Suco de manga; Suco de laranja; Suco de goiaba; Suco de cupuacu; Suco de acerola; Suco de abacaxi; Suco; Esfirra de frango; Polenta; Angu de milho; Torresmo; Coxinha; Oleo de coco; Azeite de oliva; Cerveja; Suco de uva; Suco de tamarindo; Suco de caja/ mangaba/ tapereba e outros regionais; Suco natural, mistura de frutas e vegetais; Suco natural, mistura de frutas; Suco natural de vegetais; Suco natural de fruta; Limonada; Ice tea tradicional; Agua; Suco verde; Suco detox; Cha, ervas não especificado; Cha verde, cha branco, cha vermelho; Cha (preto, camomila, erva cidreira, capim limao, etc); Cha diet (preto, camomila, erva cidreira, capim limao, etc); Cevada em po; Refrigerante não especificado; Chimarrao; Cha mate; Q-suco; Agua de coco; Bebida refrigerante, tipo h2o; Agua mineral com gas; Agua mineral sem gas; Agua mineral; Refrigerante de cola light; Refrigerante de uva tradicional; Refrigerante de limao tradicional; Sprite refrigerante tradicional; Refresco de guarana natural; Guarana tradicional; Refrigerante de guarana tradicional; Refrigerante de laranja tradicional; Fanta laranja tradicional; Coca cola tradicional; Refrigerante de cola tradicional; Mini chicken empanado; Presunto parma; Presunto; Salaminho; Salame; Mortadela; Linguica de frango; Linguica calabresa; Hamburguer de frango; Bacon; Copa </i> </p>

Diet	Food items included (in Portuguese)
	<p>de porco defumada; Carne de charque; Tapioca; Pão caseiro; Pão de batata; Pão para wrap; Crepe; Brioche; Torrada integral; Torrada doce; Torrada de qualquer Pão; Pão não especificado; Pão frances integral; Pão de sal integral; Pão arabe integral; Pão integral; Pão de milho; Pão de forma industrializado de qualquer marca; Bisnaguinha; Pãozinho; Pão careca; Pão de trigo; Pão de sal; Pão de hamburger; Pão francês; Kefir; Leite sem lactose; Queijo não especificado light; Requeijão light; Queijo de minas light; Queijo mussarela / mucarela light; Iogurte de qualquer sabor light; Leite não especificado pasteurizado; Leite de vaca semidesnatado; Leite de vaca desnatado; Leite de soja em po; Tofu; Bebida achocolatada; Leite aromatizado; Leite achocolatado; Leite com sabor; Queijo não especificado; Queijo cremoso; Requeijão; Queijo polenguinho; Queijo ralado; Leite de soja com sabor; Queijo ricota; Queijo canastra; Queijo de coalho; Queijo de minas; Mussarela / mucarela; Queijo muzarella; Queijo colonial; Queijo prato; Manteiga com ou sem sal; Coalhada; Leite fermentado; Bebida lactea; Yakult de qualquer sabor; Iogurte natural; Iogurte desnatado; Iogurte de qualquer sabor; Creme de leite; Leite em po; Leite em po integral; Leite de vaca fresco; Leite de vaca integral; Frango a passarinho; Ovos mexidos; Peito de peru light; Ovo de codorna; Ovo de galinha; Steak de frango; Nuggets de frango; Chester; Peito de peru; Peru em pedaco não especificado; Canja; Figado de galinha ou frango; Coracao de frango; Moela de galinha ou frango; Drumete de galinha ou frango; Asa de galinha ou frango; Sobrecoxa / coxa de frango / galinha; File de frango; Peito de galinha ou frango; Frango desfiado; Carne de galinha; Galinha em pedacos; Frango em pedacos; Parte de galinha ou frango não especificada; Salmao em conserva; Nabo em conserva; Picles; Atum em conserva; Sardinha em conserva; Milho verde em conserva; Petit pois; Azeitona; Peixe não especificado (em posta, em file, etc); Peixe de agua doce salgado (em posta, em file, etc); Peixe de agua doce (em posta, em file, etc); Steak de peixe ; File de peixe; Sashimi; Ceviche de peixe; Bacalhau; Peixe salgado (em posta, em file, etc); Peixe do mar (em posta, em file, etc); Lombo; Sua suina; Pernil (de porco / suino); Carne caprina; Lingua suina / lingua de porco; Carne de porco; Carne suina / carne de porco; Toucinho; Lombo suino / lombo de porco; Costela suina / costela de porco; Bisteca suina / bisteca de porco; Vinagrete; Gergelim; Creme de queijo; Leite de coco; Toddynho diet; Açúcar; Pamonha; Beiju; Amendoim apimentado; Cuscuz; Fruta seca ou desidratada; Melado; Toddynho; Rapadura; Damasco; Lichia; Abricó; Kiwi; Acerola; Pitanga; Pequi; Sapoti; Morango; Jabuticaba / jaboticaba; Cajá manga; Cereja; Ameixa; Goiaba; Jaca; Uva passa; Uva; Pinha (fruta de conde); Fruta de conde; Pêssego; Pêra; Melão; Melancia; Manga; Papaia ; Mamão; Maçã; Caqui; Abacate; Abacaxi; Mexerica; Tangerina; Limão (comum, galego, etc); Laranja (pêra, seleta, lima, da terra, etc); Banana (ouro, prata, d'água, etc); Banana da terra; Vegetais não especificados; Vegetais folhosos não especificados; Aspargos fresco; Alho; Cebola; Ervilha em vagem; Berinjela / beringela; Vagem; Tomate; Quiabo; Pimenta malagueta; Pimentão; Palmito in natura; Maxixe; Jiló; Chuchu; Pepino; Abóbora; Abobrinha; Rúcula; Brócolis; Acelga; Agrião; Repolho verde; Repolho roxo; Repolho; Mostarda (verdura); Couve flor; Couve; Chicória; Alface; Tahini, pasta; Castanhas e sementes, mistura; Castanhas não especificadas ; Coco não especificado ; Noz ; Licuri ; Castanha de Caju; Castanha do Brasil ; Castanha do Pará ; Amêndoa ; Coco verde ; Coco seco ; Massa/macarrão integral; Salada de macarrão; Macarrão com peixe ; Proteína de soja; Macarrão instantâneo; Miojo; Granola; Purê de abóbora / jerimum / gerimum; Purê de batata; Macarrão; Fibra de soja; Farinha lactea;</p>

Diet	Food items included (in Portuguese)
	<p><i>Tapioca de goma ; Farinha de tapioca ; Cereal matinal de milho em flocos; Sucrilhos de milho; Mingau de maizena; Mingau de milho; Aveia em flocos; Farinha de aveia; Mingau de arroz; Mucilon; Gengibre; Nabo; Cenoura; Beterraba; Batata (não especificada); Mandioca; Inhame; Batata doce; Batata inglesa; Chia ; Feijão (preto, mulatinho, roxo, rosinha, etc); Lentilha; Grão de bico; Andu; Linhaça ; Feijão verde; Feijão de corda; Ervilha em grão; Amendoim (em grão) (in natura) ; Arroz 7 grãos; Arroz integral; Arroz branco; Arroz (polido, parboilizado, agulha, agulhinha, etc)</i></p>
No pork	<p><i>Torta de peixe / atum / sardinha; Torta de camarão / frutos do mar; Torta de carne; Torta de frango ou galinha; Yakissoba de carne; Strogonoff / estrogonofe de frango ou galinha; Strogonoff / estrogonofe de carne de soja; Strogonoff / estrogonofe de carne; Macarrão cremoso/sugo/tomate; Macarrão com molho branco; Macarrão com legumes ; Macarrão com frango ou galinha ; Macarrão ao alho e óleo; Macarrão com queijo; Macarrão com camarão; Salada de legumes, verduras e frutas; Cuscuz de arroz; Temaki; Refogadinho de legumes; Quiche de peixes (salmao, atum, sardinha etc); Quibe assado / quibe de forno; Picadinho de carne; Peixe ao leite de coco; Peixe ensopado com batatas; Peixe assado com legumes e batatas; Legumes gratinados; Lagarto recheado com linguica; Lagarto recheado com cenoura; Fricasse de frango ou galinha; Frango ou galinha ao molho pardo / galinha de cabidela; Frango ou galinha com pequi; Frango ensopado; Frango caipira; Carne desfiada; Carne assada recheada; Camarão com molho branco; Caldo de pinto; Ensopado de carne com legumes e batata; Carne cozida com legumes e batata; Bolinho de arroz; Bolinha de queijo; Bife de frango ou galinha a parmegiana; Bife a parmegiana; Batata, cenoura e chuchu; Batata com molho branco e queijo; Arroz com frango / arroz com capote; Arroz de brócolis / couve; Arroz com macarrão / aletria / alitria / cabelo de anjo; Arroz com lentilha; Arroz com legumes; Arroz com frango e pequi; Carne de boi com legumes; Arroz de leite; Maria isabel; Arroz carreteiro/arroz tropeiro ; Frango com legumes (exceto batata, inhame e aipim); Frango com batata / inhame / batata baroa / aipim; Carne com legumes (exceto batata, inhame e aipim); Carne com batata, inhame, batata baroa ou aipim; Pão com margarina; Pão com manteiga; Arroz com feijão; Lasanha / lasanha de frango ou galinha; Lasanha / lasanha de beringela; Salada de legumes e verduras; Salada de tomate; Salada de legumes; Salada de rúcula e tomate seco; Salada de folhas; Salada de alface, tomate e cebola; Salada ou verdura crua, exceto de fruta; Costela com aipim / macaxeira / mandioca; Açaí com guaraná e granola; Açaí; Caldo verde; Pirão; Omelete com queijo e presunto; Omelete com legumes; Omelete com carne; Omelete; Galinhada caipira; Galinhada; Galinha com arroz; Farofa de banana; Cuscuz marroquino; Cuscuz de legumes; Cuscuz paulista; Bobo de camarão; Escondidinho de carne; Escondidinho de carne seca; Arroz à grega ; Charuto de repolho com frango ; Salpicão; Sopa / creme de ervilha; Sopa de legumes macarrao e carne; Sopa / caldo de mandioca / mandioquinha / batata baroa / inhame; Sopa de legumes; Sopa de frango com legumes; Sopa de feijao; Sopa / creme de abobora; Sopa (legumes, carne, etc); Salada de frutas; Sushi; Churrasquinho; Churrasco; Baião de dois; Caldo de feijao; Caldo de carne; Farofa pronta; Risoto; Mingau (fuba, aveia, farinha, etc); Farofa de couve; Farofa com ovos; Farofa; Batata palha; Batata palito; Milho cozido; Cafe tipo capuccino; Cafe tipo expresso; Cafe com leite; Cafe; Pipoca doce ou salgada; Costela; Pizza de peixe (atum, salmao, sardinha); Pizza de frango com catupiry; Pizza napolitana; Pizza de queijos; Lasanha;</i></p>

Diet	Food items included (in Portuguese)
	<p>Macarronada; Pizza mucarela / mussarela; Panqueca; Laranja; Salada de maionese; Salada ou verdura cozida, exceto de fruta; Refresco tang; Refresco de limao; Refresco de maracuja; Refresco de laranja; Refresco de caju; Refresco; Vitamina de fruta com leite e cereal; Vitamina mista; Vitamina de morango; Vitamina de abacate; Vitamina de mamão; Vitamina de banana com aveia; Vitamina de banana; Vitamina; Suco de pessego; Suco de morango; Suco de maracuja; Suco de manga; Suco de laranja; Suco de goiaba; Suco de cupuacu; Suco de acerola; Suco de abacaxi; Suco; Esfirra de frango; Esfirra de carne; Polenta; Angu de milho; Pacoca de carne de sol; Quibe; Coxinha; Oleo de coco; Azeite de oliva; Cerveja; Suco de uva; Suco de tamarindo; Suco de caja/ mangaba/ tapereba e outros regionais; Suco natural, mistura de frutas e vegetais; Suco natural, mistura de frutas; Suco natural de vegetais; Suco natural de fruta; Limonada; Ice tea tradicional; Agua; Suco verde; Suco detox; Cha, ervas não especificado; Cha verde, cha branco, cha vermelho; Cha (preto, camomila, erva cidreira, capim limao, etc); Cha diet (preto, camomila, erva cidreira, capim limao, etc); Cevada em po; Refrigerante não especificado; Chimarrao; Cha mate; Q-suco; Agua de coco; Bebida refrigerante, tipo h2o; Agua mineral com gas; Agua mineral sem gas; Agua mineral; Refrigerante de cola light; Refrigerante de uva tradicional; Refrigerante de limao tradicional; Sprite refrigerante tradicional; Refresco de guarana natural; Guarana tradicional; Refrigerante de guarana tradicional; Refrigerante de laranja tradicional; Fanta laranja tradicional; Coca cola tradicional; Refrigerante de cola tradicional; Mini chicken empanado; Hamburger não especificado; Linguiça de frango; Hamburger de frango; Hamburger de carne bovina; Carne de sol; Jaba; Tapioca; Pão caseiro; Pão de batata; Pão para wrap; Crepe; Brioche; Torrada integral; Torrada doce; Torrada de qualquer Pão; Pão não especificado; Pão frances integral; Pão de sal integral; Pão arabe integral; Pão integral; Pão de milho; Pão de forma industrializado de qualquer marca; Bisnaguinha; Pãozinho; Pão careca; Pão de trigo; Pão de sal; Pão de hamburger; Pão francês; Kefir; Leite sem lactose; Queijo não especificado light; Requeijao light; Queijo de minas light; Queijo mussarela / mucarela light; Iogurte de qualquer sabor light; Leite não especificado pasteurizado; Leite de vaca semidesnatado; Leite de vaca desnatado; Leite de soja em po; Tofu; Bebida achocolatada; Leite aromatizado; Leite achocolatado; Leite com sabor; Queijo não especificado; Queijo cremoso; Requeijao; Queijo polenguinho; Queijo ralado; Leite de soja com sabor; Queijo ricota; Queijo canastra; Queijo de coalho; Queijo de minas; Mussarela / mucarela; Queijo muzarella; Queijo colonial; Queijo prato; Manteiga com ou sem sal; Coalhada; Leite fermentado; Bebida lactea; Yakult de qualquer sabor; Iogurte natural; Iogurte desnatado; Iogurte de qualquer sabor; Creme de leite; Leite em po; Leite em po integral; Leite de vaca fresco; Leite de vaca integral; Frango a passarinho; Ovos mexidos; Peito de peru light; Ovo de codorna; Ovo de galinha; Steak de frango; Nuggets de frango; Chester; Peito de peru; Peru em pedaco não especificado; Canja; Fígado de galinha ou frango; Coracao de frango; Moela de galinha ou frango; Drumete de galinha ou frango; Asa de galinha ou frango; Sobrecoxa / coxa de frango / galinha; File de frango; Peito de galinha ou frango; Frango desfiado; Carne de galinha; Galinha em pedacos; Frango em pedacos; Parte de galinha ou frango não especificada; Salmao em conserva; Stroganoff / estrogonofe; Nabo em conserva; Picles; Atum em conserva; Sardinha em conserva; Almondega; Milho verde em conserva; Petit pois; Azeitona; Peixe não especificado (em posta, em file, etc); Peixe de agua doce salgado (em posta, em file, etc); Peixe de agua doce (em posta, em file,</p>

Diet	Food items included (in Portuguese)
	<p><i>etc); Steak de peixe ; File de peixe; Sashimi; Ceviche de peixe; Bacalhau; Peixe salgado (em posta, em file, etc); Peixe do mar (em posta, em file, etc); Carne de panela; Bife de panela; Bife a role; Bife a milanesa; Carne bovina; Bife; Chuleta; Bucho / dobradinha ensopado(a); Carne caprina; Carne moida; Mocoto bovino; Rabada bovina; Lingua bovina; Fígado bovino (bife); Fígado bovino; Dobradinha fresca; Costela bovina; Carne marica bovina; Chamaril; Musculo bovino; Tatu (lagarto redondo); Picanha; Alcatra; Bisteca bovina; Contrafile; File mignon; Vinagrete; Gergelim; Creme de queijo; Leite de coco; Toddyinho diet; Açúcar; Pamonha; Beijú; Amendoim apimentado; Cuscuz; Fruta seca ou desidratada; Melado; Toddyinho; Rapadura; Damasco; Lichia; Abriçó; Kiwi; Acerola; Pitanga; Pequi; Sapoti; Morango; Jabuticaba / jaboticaba; Cajá manga; Cereja; Ameixa; Goiaba; Jaca; Uva passa; Uva; Pinha (fruta de conde); Fruta de conde; Pêssego; Pêra; Melão; Melancia; Manga; Papaia ; Mamão; Maçã; Caqui; Abacate; Abacaxi; Mexerica; Tangerina; Limão (comum, galego, etc); Laranja (pêra, seleta, lima, da terra, etc); Banana (ouro, prata, d'água, etc); Banana da terra; Vegetais não especificados; Vegetais folhosos não especificados; Aspargos fresco; Alho; Cebola; Ervilha em vagem; Berinjela / beringela; Vagem; Tomate; Quiabo; Pimenta malagueta; Pimentão; Palmito in natura; Maxixe; Jiló; Chuchu; Pepino; Abóbora; Abobrinha; Rúcula; Brócolis; Acelga; Agrião; Repolho verde; Repolho roxo; Repolho; Mostarda (verdura); Couve flor; Couve; Chicória; Alface; Tahini, pasta; Castanhas e sementes, mistura; Castanhas não especificadas ; Coco não especificado ; Noz ; Licuri ; Castanha de Caju; Castanaha do Brasil ; Castanha do Pará ; Amêndoa ; Coco verde ; Coco seco ; Massa/macarrão integral; Salada de macarrão; Macarrão com peixe ; Macarrão com carne ; Proteína de soja; Macarrão instantâneo; Miojo; Granola; Purê de abóbora / jerimum / gerimum; Purê de batata; Macarrão; Fibra de soja; Farinha lactea; Tapioca de goma ; Farinha de tapioca ; Cereal matinal de milho em flocos; Sucrilhos de milho; Mingau de maizena; Mingau de milho; Aveia em flocos; Farinha de aveia; Mingau de arroz; Mucilon; Gengibre; Nabo; Cenoura; Beterraba; Batata (não especificada); Mandioca; Inhame; Batata doce; Batata inglesa; Chia ; Feijão (preto, mulatinho, roxo, rosinha, etc); Lentilha; Grão de bico; Andu; Linhaça ; Feijão verde; Feijão de corda; Ervilha em grão; Amendoim (em grão) (in natura) ; Arroz 7 grãos; Arroz integral; Arroz branco; Arroz (polido, parboilizado, agulha, agulhinha, etc)</i></p>
Omnivorous	<p><i>Torta de presunto e queijo; Torta de peixe / atum / sardinha; Torta de camarão / frutos do mar; Torta de carne; Torta de frango ou galinha; Feijão com linguiça; Feijão com bacon; Yakissoba de carne; Strogonoff / estrogonofe de frango ou galinha; Strogonoff / estrogonofe de carne de soja; Strogonoff / estrogonofe de carne; Macarrão com salsicha ; Macarrão cremoso/sugo/tomate; Macarrão com molho branco; Macarrão com linguiça; Macarrão com legumes ; Macarrão com frango ou galinha ; Macarão ao alho e óleo; Macarrão com queijo; Macarrão com camarão; Salada de legumes, verduras e frutas; Cuscuz de arroz; Temaki; Refogadinho de legumes; Quiche de peixes (salmao, atum, sardinha etc); Quibe assado / quibe de forno; Picadinho de carne; Peixe ao leite de coco; Peixe ensopado com batatas; Peixe assado com legumes e batatas; Legumes gratinados; Lagarto recheado com linguiça; Lagarto recheado com cenoura; Fricasse de frango ou galinha; Frango ou galinha ao molho pardo / galinha de cabidela; Frango ou galinha com pequi; Frango ensopado; Frango caipira; Jardineira de legumes; Dobradinha com feijão branco; Carne desfiada; Carne de porco com legumes; Carne assada recheada; Camarao com molho branco;</i></p>

Diet	Food items included (in Portuguese)
	<p>Caldo de pinto; Ensopado de carne com legumes e batata; Carne cozida com legumes e batata; Bolinho de arroz; Bolinha de queijo; Bife de frango ou galinha a parmegiana; Bife a parmegiana; Batata, cenoura e chuchu; Batata com molho branco e queijo; Arroz com frango / arroz com capote; Arroz de brócolis / couve; Arroz com salsicha / linguiça; Arroz com macarrão / aletria / alitria / cabelo de anjo; Arroz com linguiça; Arroz com lentilha; Arroz com legumes; Arroz com frango e pequi; Arroz chop suey; Carne de boi com legumes; Arroz de leite; Maria isabel; Arroz carreteiro/arroz tropeiro ; Frango com legumes (exceto batata, inhame e aipim); Frango com batata / inhame / batata baroa / aipim; Carne com legumes (exceto batata, inhame e aipim); Carne com batata, inhame, batata baroa ou aipim; Pão com margarina; Pão com manteiga; Arroz com feijão; Lasanha / lasanha de frango ou galinha; Lasanha / lasanha de beringela; Salada de legumes e verduras; Salada de tomate; Salada de legumes; Salada de rúcula e tomate seco; Salada de folhas; Salada de alface, tomate e cebola; Salada ou verdura crua, exceto de fruta; Costela com aipim / macaxeira / mandioca; Açaí com guaraná e granola; Açaí; Caldo verde; Tutu; Quiche; Pirão; Omelete com queijo e presunto; Omelete com legumes; Omelete com carne; Omelete; Galinhada caipira; Galinhada; Galinha com arroz; Feijão tropeiro; Farofa de banana; Cuscuz marroquino; Cuscuz de legumes; Cuscuz paulista; Bobo de camara; Escondidinho de carne; Escondidinho de carne seca; Arroz à grega ; Charuto de repolho com frango ; Salpicão; Sopa / creme de ervilha; Sopa de legumes macarrao e carne; Sopa / caldo de mandioca / mandioquinha / batata baroa / inhame; Sopa de legumes; Sopa de frango com legumes; Sopa de feijao; Sopa / creme de abobora; Sopa (legumes, carne, etc); Salada de frutas; Sushi; Churrasquinho; Churrasco; Baião de dois; Caldo de feijao; Caldo de carne; Farofa pronta; Risoto; Mingau (fuba, aveia, farinha, etc); Farofa de couve; Farofa com ovos; Farofa com carne / linguica/ bacon; Farofa; Batata palha; Batata palito; Milho cozido; Café tipo capuccino; Café tipo expresso; Café com leite; Café; Pipoca doce ou salgada; Costela; Pizza de peixe (atum, salmão, sardinha); Pizza de frango com catupiry; Pizza napolitana; Pizza de queijos; Lasanha; Macarronada; Pizza portuguesa; Pizza presunto; Pizza muçarela / mussarela; Pizza calabreza; Panqueca; Lasanha; Pizza; Salada de maionese; Salada ou verdura cozida, exceto de fruta; Refresco tang; Refresco de limão; Refresco de maracujá; Refresco de laranja; Refresco de caju; Refresco; Vitamina de fruta com leite e cereal; Vitamina mista; Vitamina de morango; Vitamina de abacate; Vitamina de mamão; Vitamina de banana com aveia; Vitamina de banana; Vitamina; Suco de pêssego; Suco de morango; Suco de maracujá; Suco de manga; Suco de laranja; Suco de goiaba; Suco de cupuacu; Suco de acerola; Suco de abacaxi; Suco; Esfirra de frango; Esfirra de carne; Polenta; Angu de milho; Pacoca de carne de sol; Quibe; Torresmo; Coxinha; Oleo de coco; Azeite de oliva; Cerveja; Suco de uva; Suco de tamarindo; Suco de caja/ mangaba/ tapereba e outros regionais; Suco natural, mistura de frutas e vegetais; Suco natural, mistura de frutas; Suco natural de vegetais; Suco natural de fruta; Limonada; Ice tea tradicional; Água; Suco verde; Suco detox; Cha, ervas não especificado; Cha verde, cha branco, cha vermelho; Cha (preto, camomila, erva cidreira, capim limão, etc); Cha diet (preto, camomila, erva cidreira, capim limão, etc); Cevada em pó; Refrigerante não especificado; Chimarrao; Cha mate; Q-suco; Água de coco; Bebida refrigerante, tipo h2o; Água mineral com gás; Água mineral sem gás; Água mineral; Refrigerante de cola light; Refrigerante de uva tradicional; Refrigerante de limão tradicional; Sprite refrigerante tradicional; Refresco de guarana natural; Guarana</p>

Diet	Food items included (in Portuguese)
	<p>tradicional; Refrigerante de guarana tradicional; Refrigerante de laranja tradicional; Fanta laranja tradicional; Coca cola tradicional; Refrigerante de cola tradicional; Mini chicken empanado; Carne salgada não especificada; Pate (figado, calabres, frango, presunto, etc); Hamburger não especificado; Presunto parma; Presunto; Salaminho; Salame; Mortadela; Linguica de frango; Linguica calabresa; Linguica (suína, bovina, mista, etc); Salsicha; Hamburger de frango; Bacon; Copa de porco defumada; Hamburger de carne bovina; Carne de sol; Jaba; Carne de charque; Tapioca; Pão caseiro; Pão de batata; Pão para wrap; Crepe; Brioche; Tortas salgadas de qualquer sabor; Torrada integral; Torrada doce; Torrada de qualquer Pão; Pão não especificado; Pão frances integral; Pão de sal integral; Pão arabe integral; Pão integral; Pão de milho; Pão de forma industrializado de qualquer marca; Bisnaguinha; Pãozinho; Pão careca; Pão de trigo; Pão de sal; Pão de hamburger; Pão francês; Kefir; Leite sem lactose; Queijo não especificado light; Requeijão light; Queijo de minas light; Queijo mussarela / mucarela light; Iogurte de qualquer sabor light; Leite não especificado pasteurizado; Leite de vaca semidesnatado; Leite de vaca desnatado; Leite de soja em po; Tofu; Bebida achocolatada; Leite aromatizado; Leite achocolatado; Leite com sabor; Queijo não especificado; Queijo cremoso; Requeijão; Queijo polenguinho; Queijo ralado; Leite de soja com sabor; Queijo ricota; Queijo canastra; Queijo de coalho; Queijo de minas; Mussarela / mucarela; Queijo muzarella; Queijo colonial; Queijo prato; Manteiga com ou sem sal; Coalhada; Leite fermentado; Bebida lactea; Yakult de qualquer sabor; Iogurte natural; Iogurte desnatado; Iogurte de qualquer sabor; Creme de leite; Leite em po; Leite em po integral; Leite de vaca fresco; Leite de vaca integral; Frango a passarinho; Ovos mexidos; Peito de peru light; Ovo de codorna; Ovo de galinha; Steak de frango; Nuggets de frango; Chester; Peito de peru; Peru em pedaco não especificado; Canja; Figado de galinha ou frango; Coracao de frango; Moela de galinha ou frango; Drumete de galinha ou frango; Asa de galinha ou frango; Sobrecoxa / coxa de frango / galinha; File de frango; Peito de galinha ou frango; Frango desfiado; Carne de galinha; Galinha em pedacos; Frango em pedacos; Parte de galinha ou frango não especificada; Salmao em conserva; Strogonoff / estrogonofe; Nabo em conserva; Picles; Atum em conserva; Sardinha em conserva; Almondega; Cozido; Feijoada; Yakissoba; Milho verde em conserva; Petit pois; Azeitona; Peixe não especificado (em posta, em file, etc); Peixe de agua doce salgado (em posta, em file, etc); Peixe de agua doce (em posta, em file, etc); Steak de peixe ; File de peixe; Sashimi; Ceviche de peixe; Bacalhau; Peixe salgado (em posta, em file, etc); Peixe do mar (em posta, em file, etc); Lombo; Carne de panela; Bife de panela; Bife a role; Bife a milanesa; Carne bovina; Bife; Chuleta; Sua suína; Bucho / dobradinha ensopado(a); Pernil (de porco / suíno); Carne caprina; Lingua suína / lingua de porco; Carne moida; Carne de porco; Carne suína / carne de porco; Toucinho; Lombo suíno / lombo de porco; Costela suína / costela de porco; Bisteca suína / bisteca de porco; Mocoto bovino; Rabada bovina; Lingua bovina; Figado bovino (bife); Figado bovino; Dobradinha fresca; Costela bovina; Carne marica bovina; Chambaril; Musculo bovino; Tatu (lagarto redondo); Picanha; Alcatra; Bisteca bovina; Contrafile; File mignon; Vinagrete; Gergelim; Creme de queijo; Leite de coco; Toddyinho diet; Açúcar; Pamonha; Beiju; Amendoim apimentado; Cuscuz; Fruta seca ou desidratada; Melado; Toddyinho; Rapadura; Damasco; Lichia; Abriçó; Kiwi; Acerola; Pitanga; Pequi; Sapoti; Morango; Jabuticaba / jaboticaba; Cajá manga; Cereja; Ameixa; Goiaba; Jaca; Uva passa; Uva; Pinha (fruta de conde); Fruta de conde; Pêssego;</p>

Diet	Food items included (in Portuguese)
	<p><i>Pêra; Melão; Melancia; Manga; Papaia ; Mamão; Maçã; Caqui; Abacate; Abacaxi; Mexerica; Tangerina; Limão (comum, galego, etc); Laranja (pêra, seleta, lima, da terra, etc); Banana (ouro, prata, d'água, etc); Banana da terra; Vegetais não especificados; Vegetais folhosos não especificados; Aspargos fresco; Alho; Cebola; Ervilha em vagem; Berinjela / beringela; Vagem; Tomate; Quiabo; Pimenta malagueta; Pimentão; Palmito in natura; Maxixe; Jiló; Chuchu; Pepino; Abóbora; Abobrinha; Rúcula; Brócolis; Acelga; Agrião; Repolho verde; Repolho roxo; Repolho; Mostarda (verdura); Couve flor; Couve; Chicória; Alface; Tahini, pasta; Castanhas e sementes, mistura; Castanhas não especificadas ; Coco não especificado ; Noz ; Licuri ; Castanha de Caju; Castanha do Brasil ; Castanha do Pará ; Amêndoa ; Coco verde ; Coco seco ; Massa/macarrão integral; Salada de macarrão; Macarrão com peixe ; Macarrão com carne ; Proteína de soja; Macarrão instantâneo; Miojo; Granola; Purê de abóbora / jerimum / gerimum; Purê de batata; Macarrão; Fibras de soja; Farinha lactea; Tapioca de goma ; Farinha de tapioca ; Cereal matinal de milho em flocos; Sucrilhos de milho; Mingau de maizena; Mingau de milho; Aveia em flocos; Farinha de aveia; Mingau de arroz; Mucilon; Gengibre; Nabo; Cenoura; Beterraba; Batata (não especificada); Mandioca; Inhame; Batata doce; Batata inglesa; Chia ; Feijão (preto, mulatinho, roxo, rosinha, etc); Lentilha; Grão de bico; Andu; Linhaça ; Feijão verde; Feijão de corda; Ervilha em grão; Amendoim (em grão) (in natura) ; Arroz 7 grãos; Arroz integral; Arroz branco; Arroz (polido, parboilizado, agulha, agulhinha, etc)</i></p>

C. Ecoinvent 3.6 Cutoff U process by item

Process	Food item (in Portuguese)	GHG Emissions Intensity (kgCO2e/kg)
almond production almond Cutoff, U - RoW	<i>Castanaha do Brasil ; Castanhas não especificadas ; Castanhas e sementes, mistura; Castanha do Pará ; Noz ; Amêndoa ;</i>	1.54966
apple production apple Cutoff, U - RoW	<i>Maçã;</i>	0.34617
apricot production apricot Cutoff, U - RoW	<i>Damasco; Fruta seca ou desidratada; Abricó;</i>	0.11691
aubergine production, open field aubergine Cutoff, U - RoW	<i>Berinjela / beringela;</i>	0.15746

Process	Food item (in Portuguese)	GHG Emissions Intensity (kgCO ₂ e/kg)
avocado production avocado Cutoff, U - GLO	<i>Abacate;</i>	0.48530
banana production banana Cutoff, U - RoW	<i>Banana da terra; Banana (ouro, prata, d'água, etc);</i>	0.21295
barley production barley grain Cutoff, U - RoW	<i>Cevada em po;</i>	0.57884
Beer, regular (4-5° alcohol)	<i>Cerveja;</i>	0.59784
bell pepper production, open field bell pepper Cutoff, U - RoW	<i>Jiló; Maxixe; Pimentão; Quiabo;</i>	1.47492
Bolognese-style pasta (spaghetti, tagliatelle...), at plant	<i>Lasanha; Panqueca; Lasanha / lasanha de beringela; Crepe; Lasanha; Lasanha / lasanha de frango ou galinha; Miojo; Macarrão instantâneo; Macarrão; Macarronada; Macarrão com carne ; Macarrão com peixe ; Macarrão com salsicha ; Macarrão cremoso/sugo/tomate; Macarrão com frango ou galinha ; Massa/macarrão integral; Macarrão com queijo; Macarrão com legumes ; Macarrão com molho branco; Macarrão com camarão; Yakissoba; Yakissoba de carne; Macarão ao alho e óleo; Macarrão com linguiça; Salada de macarrão;</i>	4.42619
Bread, french bread	<i>Pão francês; Pão de sal; Pão com manteiga; Pão de forma industrializado de qualquer marca; Bisnaguinha; Pão com margarina; Torrada de qualquer Pão; Pão não especificado; Pãozinho; Pão careca; Pão de batata; Pão caseiro; Pão de trigo; Pão de hamburquer; Pão de milho; Pão para wrap; Torrada doce; Pão integral; Pão arabe integral; Torrada integral; Pão de sal integral; Pão frances integral; Brioche;</i>	0.81702

Process	Food item (in Portuguese)	GHG Emissions Intensity (kgCO ₂ e/kg)
broccoli production broccoli Cutoff, U - GLO	<i>Brócolis;</i>	0.30803
butter production, from cow milk butter, from cow milk Cutoff, U - GLO	<i>Manteiga com ou sem sal;</i>	7.33877
butter production, from cow milk buttermilk, from cow milk Cutoff, U - GLO	<i>Yakult de qualquer sabor; Leite fermentado;</i>	3.22461
butter production, from cream, from cow milk skimmed milk, from cow milk Cutoff, U - GLO	<i>Leite de vaca desnatado; Leite de vaca semidesnatado; Leite sem lactose;</i>	0.61253
cabbage red production cabbage red Cutoff, U - GLO	<i>Repolho roxo;</i>	0.16188
cabbage white production cabbage white Cutoff, U - RoW	<i>Couve; Repolho; Repolho verde;</i>	0.15588
carrot production carrot Cutoff, U - RoW	<i>Cenoura;</i>	0.11562
cashew production cashew Cutoff, U - RoW	<i>Castanha de Caju;</i>	6.87201
cauliflower production cauliflower Cutoff, U - GLO	<i>Couve-flor;</i>	0.26601
cheese production, soft, from cow milk cheese, from cow milk, fresh, unripened Cutoff, U - GLO	<i>Queijo prato; Queijo colonial; Queijo muzzarella; Mussarela / mucarela; Queijo de minas; Queijo de coalho; Queijo canastra; Queijo ricota; Queijo ralado; Requeijao; Queijo cremoso; Queijo não especificado; Queijo mussarela / mucarela light; Queijo de minas light; Requeijao light; Queijo não especificado light; Bolinha de queijo; Torta de presunto e queijo; Creme de queijo;</i>	10.74076

Process	Food item (in Portuguese)	GHG Emissions Intensity (kgCO ₂ e/kg)
chicken production chicken for slaughtering, live weight Cutoff, U - GLO	<i>Parte de galinha ou frango não especificada; Frango em pedacos; Galinha em pedacos; Carne de galinha; Frango desfiado; Peito de galinha ou frango; File de frango; Sobrecoxa / coxa de frango / galinha; Asa de galinha ou frango; Drumete de galinha ou frango; Peito de peru; Chester; Frango a passarinho; Hamburguer de frango; Bife de frango ou galinha a parmegiana; Steak de frango; Galinha com arroz; Galinhada; Galinhada caipira; Frango com batata / inhame / batata baroa / aipim; Frango com legumes (exceto batata, inhame e aipim); Frango caipira; Frango ensopado; Frango ou galinha com pequi; Frango ou galinha ao molho pardo / galinha de cabidela; Fricasse de frango ou galinha; Strogonoff / estrogonofe de frango ou galinha; Caldo de pinto; Linguica de frango; Coracao de frango; Figado de galinha ou frango; Nuggets de frango; Mini chicken empanado; Coxinha; Esfirra de frango; Torta de frango ou galinha; Canja; Sopa de frango com legumes;</i>	2.09925
chickpea production chickpea Cutoff, U - RoW	<i>Grão de bico;</i>	0.69365
chilli production chilli Cutoff, U - RoW	<i>Pimenta malagueta;</i>	0.13074
coconut oil production, crude coconut oil, crude Cutoff, U - RoW	<i>Leite de coco; Oleo de coco;</i>	2.13740
coconut production, dehusked coconut, dehusked Cutoff, U - RoW	<i>Coco seco ; Coco verde ; Coco não especificado ; Água de coco;</i>	0.67509

Process	Food item (in Portuguese)	GHG Emissions Intensity (kgCO ₂ e/kg)
coffee green bean production, arabica coffee, green bean Cutoff, U - BR	<i>Cafe; Cafe tipo expresso;</i>	4.98493
Cola, with sugar and artificial sweetener at packaging	<i>Refrigerante de cola tradicional; Coca cola tradicional; Refrigerante de guarana tradicional; Refrigerante não especificado; Refrigerante de laranja tradicional; Refrigerante de uva tradicional; Guarana tradicional; Sprite refrigerante tradicional; Refrigerante de limao tradicional; Fanta laranja tradicional; Bebida refrigerante, tipo h2o; Refresco de guarana natural; Ice tea tradicional; Refrigerante de cola light;</i>	0.28355
cucumber production cucumber Cutoff, U - GLO	<i>Pepino; Pickles;</i>	2.77015
demersal fish to generic market for marine fish fish, marine Cutoff, U - GLO	<i>Peixe do mar (em posta, em file, etc); Ceviche de peixe; Sashimi; Peixe salgado (em posta, em file, etc); Bacalhau; Bobo de camarao; Camarao com molho branco; Quiche de peixes (salmao, atum, sardinha etc); Torta de peixe / atum / sardinha;</i>	1.91201
Eggs - Input and Output Data imported from Agribalyse 3.0.1	<i>Ovo de galinha; Ovos mexidos; Omelete; Ovo de codorna; Omelete com legumes; Omelete com carne; Omelete com queijo e presunto;</i>	0.49520
fava bean production, organic fava bean, organic Cutoff, U - RoW	<i>Feijão (preto, mulatinho, roxo, rosinha, etc); Feijão de corda; Feijão verde; Feijoada; Baião de dois; Feijão tropeiro; Tutu; Arroz com feijão; Dobradinha com feijão branco; Feijão com bacon; Feijão com linguiça; Andu; Vagem; Caldo de feijao; Sopa de feijao; Sopa / creme de ervilha;</i>	0.59704

Process	Food item (in Portuguese)	GHG Emissions Intensity (kgCO ₂ e/kg)
fish canning, small fish fish canning, small fish Cutoff, U - RoW	<i>Sardinha em conserva; Atum em conserva; Salmao em conserva;</i>	4.89196
grape production grape Cutoff, U - RoW	<i>Uva; Uva passa;</i>	0.24830
kiwi production kiwi Cutoff, U - GLO	<i>Kiwi;</i>	0.31426
lemon production lemon Cutoff, U - RoW	<i>Limão (comum, galego, etc);</i>	0.25392
lettuce361 production lettuce Cutoff, U - RoW	<i>Alface; Salada de folhas; Salada de rúcula e tomate seco; Chicória; Mostarda (verdura); Agrião; Acelga; Rúcula; Vegetais folhosos não especificados;</i>	0.12170
linseed production linseed Cutoff, U - RoW	<i>Chia ;</i>	0.94250
maize grain processing, dry milling maize flour Cutoff, U - RoW	<i>Beiju; Farinha de tapioca ; Tapioca de goma ; Tapioca; Farofa; Farofa com carne / linguica/ bacon; Farofa com ovos; Farofa de couve; Farofa pronta; Farofa de banana; Sucrilhos de milho; Cereal matinal de milho em flocos;</i>	0.34256
maize grain production maize grain Cutoff, U (copy) - BR-GO	<i>Cuscuz; Pamonha; Milho verde em conserva; Angu de milho; Polenta; Pipoca doce ou salgada; Milho cozido; Cuscuz marroquino; Cuscuz paulista; Cuscuz de legumes;</i>	0.30593
mandarin production mandarin Cutoff, U - RoW	<i>Tangerina; Mexerica;</i>	0.43423
mango production mango Cutoff, U - BR	<i>Manga; Goiaba; Cajá manga; Pequi; Salada de frutas;</i>	0.24533

Process	Food item (in Portuguese)	GHG Emissions Intensity (kgCO ₂ e/kg)
market for cattle for slaughtering, live weight cattle for slaughtering, live weight Cutoff, U - BR	<i>File mignon; Contrafile; Bisteca bovina; Alcatra; Picanha; Tatu (lagarto redondo); Musculo bovino; Chambaril; Carne marica bovina; Costela bovina; Rabada bovina; Mocoto bovino; Carne moida; Bife; Carne bovina; Bife a milanese; Bife de panela; Carne de panela; Hamburguer de carne bovina; Costela; Churrasco; Churrasquinho; Bife a parmegiana; Almondega; Strogonoff / estrogonofe; Pacoca de carne de sol; Costela com aipim / macaxeira / mandioca; Carne com batata, inhame, batata baroa ou aipim; Carne com legumes (exceto batata, inhame e aipim); Carne de boi com legumes; Carne cozida com legumes e batata; Ensopado de carne com legumes e batata; Carne assada recheada; Carne desfiada; Lagarto recheado com cenoura; Lagarto recheado com linguica; Picadinho de carne; Quibe assado / quibe de forno; Strogonoff / estrogonofe de carne; Carne de sol; Carne salgada não especificada; Linguica (suina, bovina, mista, etc); Pate (figado, calabres, frango, presunto, etc); Figado bovino; Figado bovino (bife); Lingua bovina; Bucho / dobradinha ensopado(a); Quibe; Esfirra de carne; Tortas salgadas de qualquer sabor; Escondidinho de carne seca; Escondidinho de carne; Torta de carne; Caldo de carne; Cozido;</i>	24.46539
melon production melon Cutoff, U - GLO	<i>Melancia; Melão;</i>	0.18940

Process	Food item (in Portuguese)	GHG Emissions Intensity (kgCO ₂ e/kg)
milk production, from cow cow milk Cutoff, U - RoW	<i>Leite de vaca integral; Leite de vaca fresco; Leite em po integral; Leite em po; Leite não especificado pasteurizado; Mucilon; Mingau de arroz; Mingau de milho; Mingau de maizena; Mingau (fuba, aveia, farinha, etc); Vitamina; Vitamina de banana; Vitamina de banana com aveia; Vitamina de mamão; Vitamina de abacate; Vitamina de morango; Vitamina mista; Vitamina de fruta com leite e cereal; Coalhada; Kefir; Café com leite; Café tipo capuccino;</i>	1.41312
oat production oat grain Cutoff, U - RoW	<i>Farinha de aveia; Aveia em flocos; Granola;</i>	0.68171
olive production olive Cutoff, U - RoW	<i>Azeite de oliva; Azeitona;</i>	0.52682
onion production onion Cutoff, U - RoW	<i>Alho;</i>	0.29831
Orange juice; industrial production	<i>Refresco tang; Suco; Suco natural de fruta; Suco de laranja; Suco de maracujá; Suco de goiaba; Suco de manga; Suco de uva; Suco de abacaxi; Limonada; Suco de acerola; Suco de morango; Suco natural, mistura de frutas; Suco de pessego; Suco verde; Suco de cupuacu; Suco natural de vegetais; Suco natural, mistura de frutas e vegetais; Suco de tamarindo; Suco detox; Suco de caja/ mangaba/ tapereba e outros regionais; Refresco de caju; Refresco de limão; Refresco de laranja; Refresco; Q-suco; Refresco de maracujá;</i>	0.27807
orange production, processing grade orange, processing grade Cutoff, U - BR	<i>Laranja (pêra, seleta, lima, da terra, etc); Jaboticaba / jaboticaba; Pitanga; Acerola;</i>	0.16618

Process	Food item (in Portuguese)	GHG Emissions Intensity (kgCO ₂ e/kg)
palm date production palm date Cutoff, U – GLO	<i>Palmito in natura; Açaí; Açaí com guaraná e granola;</i>	1.49084
palm fruit bunch production palm fruit bunch Cutoff, U - RoW	<i>Licuri ;</i>	0.30372
papaya production papaya Cutoff, U - GLO	<i>Mamão; Papaia ;</i>	0.19822
peach production peach Cutoff, U - RoW	<i>Caqui; Pêssego; Pinha (fruta de conde); Ameixa; Cereja; Sapoti; Lichia;</i>	0.43360
peanut production peanut Cutoff, U - RoW	<i>Amendoim (em grão) (in natura) ;</i>	1.68629
pear production pear Cutoff, U - RoW	<i>Pêra;</i>	0.39411
pineapple production pineapple Cutoff, U - GLO	<i>Abacaxi;</i>	0.23732
Pizza, salami. Adaptado de Agribalyse 3.0.1.	<i>Pizza;</i>	2.92078
potato production potato Cutoff, U – RoW	<i>Vegetais não especificados; Salada de legumes; Salada de legumes e verduras; Batata, cenoura e chuchu; Jardineira de legumes; Legumes gratinados; Refogadinho de legumes; Salada de legumes, verduras e frutas; Batata doce; Batata inglesa; Batata (não especificada); Purê de batata; Batata palito; Batata palha; Mandioca; Pirão; Inhame; Sopa (legumes, carne, etc); Sopa de legumes; Sopa / caldo de mandioca / mandioquinha / batata baroa / inhame; Sopa de legumes macarrao e carne; Salada de maionese; Batata com molho branco e queijo;</i>	0.20074

Process	Food item (in Portuguese)	GHG Emissions Intensity (kgCO ₂ e/kg)
protein pea production protein pea Cutoff, U - RoW	<i>Ervilha em grão; Lentilha; Ervilha em vagem; Petit pois;</i>	0.27475
radish production radish Cutoff, U - GLO	<i>Nabo em conserva; Nabo;</i>	6.62357
rice production, non-basmati rice, non-basmati Cutoff, U (copy) - RoW	<i>Arroz (polido, parboilizado, agulha, agulhinha, etc); Arroz branco; Arroz integral; Arroz 7 grãos; Risoto; Sushi; Charuto de repolho com frango ; Arroz à grega ; Arroz carreteiro/arroz tropeiro ; Maria isabel; Arroz de leite; Arroz chop suey; Arroz com frango e pequi; Arroz com legumes; Arroz com lentilha; Arroz com macarrão / aletria / alitria / cabelo de anjo; Arroz com salsicha / linguiça; Arroz com frango / arroz com capote; Bolinho de arroz; Temaki; Cuscuz de arroz;</i>	1.74770
sesame seed production sesame seed Cutoff, U - RoW	<i>Tahini, pasta;</i>	2.56562
soybean beverage production soybean beverage Cutoff, U - RoW	<i>Leite de soja com sabor; Leite de soja em po;</i>	0.56439
strawberry production, open field, macro tunnel strawberry Cutoff, U - RoW	<i>Morango;</i>	0.36052
sugar beet production sugar beet Cutoff, U - RoW	<i>Beterraba;</i>	0.05517
sugarcane processing, traditional annexed plant sugar, from sugarcane Cutoff, U – BR	<i>Rapadura; Melado; Açúcar;</i>	0.12704
swine production swine for slaughtering, live weight Cutoff, U – RoW	<i>Bisteca suína / bisteca de porco; Costela suína / costela de porco; Carne suína / carne de porco; Carne de porco; Pernil (de porco / suíno); Carne de</i>	6.19325

Process	Food item (in Portuguese)	GHG Emissions Intensity (kgCO ₂ e/kg)
	<i>porco com legumes; Linguica calabresa; Salsicha; Mortadela; Presunto; Salame; Salaminho; Lingua suína / lingua de porco; Toucinho; Bacon; Torresmo;</i>	
tap water production, conventional treatment tap water Cutoff, U - BR	<i>Água mineral; Água mineral sem gas; Água mineral com gas; Água;</i>	0.00028
tea production, dried tea, dried Cutoff, U - RoW	<i>Cha mate; Chamarrao; Cha diet (preto, camomila, erva cidreira, capim limao, etc); Cha (preto, camomila, erva cidreira, capim limao, etc); Cha verde, cha branco, cha vermelho; Cha, ervas não especificadas;</i>	1.99784
tilapia production, extensive aquaculture, in pond tilapia Cutoff, U - GLO	<i>File de peixe; Peixe de água doce (em posta, em file, etc); Peixe não especificado (em posta, em file, etc); Peixe de água doce salgado (em posta, em file, etc); Peixe assado com legumes e batatas; Peixe ensopado com batatas; Peixe ao leite de coco;</i>	3.22916
tofu production tofu Cutoff, U - RoW	<i>Proteína de soja; Tofu; Strogonoff / estrogonofe de carne de soja;</i>	1.46588
tomato production, fresh grade, open field tomato, fresh grade Cutoff, U - RoW	<i>Vinagrete; Salada ou verdura crua, exceto de fruta; Salada de alface, tomate e cebola; Salada de tomate; Salada ou verdura cozida, exceto de fruta; Tomate;</i>	0.17790
white asparagus production white asparagus Cutoff, U - RoW	<i>Aspargos fresco;</i>	0.34751
yogurt production, from cow milk cream, from cow milk Cutoff, U - RoW	<i>Creme de leite; Bebida lactea; logurte de qualquer sabor light;</i>	2.07390

Process	Food item (in Portuguese)	GHG Emissions Intensity (kgCO ₂ e/kg)
yogurt production, from cow milk yogurt, from cow milk Cutoff, U - RoW	<i>Farinha lactea; logurte de qualquer sabor; logurte desnatado; logurte natural; Toddynho; Leite achocolatado; Leite aromatizado; Bebida achocolatada;</i>	1.55821
zucchini production zucchini Cutoff, U - GLO	<i>Purê de abóbora / jerimum / gerimum; Abóbora; Chuchu; Abobrinha; Sopa / creme de abobora;</i>	0.13763

D. List of processes adapted from Agribalyse 3.0.1 to Ecoinvent 3.6 Cutoff, U

Process	Food item (in Portuguese)
Beer, regular (4-5° alcohol), at plant (AGB 3.0)	<i>Cerveja.</i>
Bolognese-style pasta (spaghetti, tagliatelle...), at plant	<i>Lasanha; Panqueca; Lasanha / lasanha de beringela; Crepe; Lasanha; Lasanha / lasanha de frango ou galinha; Miojo; Macarrão instantâneo; Macarrão; Macarronada; Macarrão com carne ; Macarrão com peixe ; Macarrão com salsicha ; Macarrão cremoso/sugo/tomate; Macarrão com frango ou galinha ; Massa/macarrão integral; Macarrão com queijo; Macarrão com legumes ; Macarrão com molho branco; Macarrão com camarão; Yakissoba; Yakissoba de carne; Macarrão ao alho e óleo; Macarrão com linguiça; Salada de macarrão.</i>
Bread, French bread (baguette or ball), with yeast, at plant	<i>Pão francês; Pão de sal; Pão com manteiga; Pão de forma industrializado de qualquer marca; Bisnaguinha; Pão com margarina; Torrada de qualquer Pão; Pão não especificado; Pãozinho; Pão careca; Pão de batata; Pão caseiro; Pão de trigo; Pão de hamburguer; Pão de milho; Pão para wrap; Torrada doce; Pão integral; Pão arabe integral; Torrada integral; Pão de sal integral; Pão frances integral; Brioche.</i>
Cola, with sugar and artificial sweetener(s), processed in FR Chilled PET at distribution	<i>Refrigerante de cola tradicional; Coca cola tradicional; Refrigerante de guarana tradicional; Refrigerante não especificado; Refrigerante de laranja tradicional; Refrigerante de uva tradicional; Guarana tradicional; Sprite refrigerante tradicional; Refrigerante de limao tradicional; Fanta laranja tradicional; Bebida refrigerante, tipo h2o; Refresco de guarana natural; Ice tea tradicional; Refrigerante de cola light.</i>
Egg, conventional, indoor production, cage 2012 rules	<i>Ovo de galinha; Ovos mexidos; Omelete; Ovo de codorna; Omelete com legumes; Omelete com carne; Omelete com queijo e presunto.</i>

Process	Food item (in Portuguese)
Orange juice; industrial production; at plant; NFC; 1L (AGB 3.0)	<i>Refresco tang; Suco; Suco natural de fruta; Suco de laranja; Suco de maracuja; Suco de goiaba; Suco de manga; Suco de uva; Suco de abacaxi; Limonada; Suco de acerola; Suco de morango; Suco natural, mistura de frutas; Suco de pessego; Suco verde; Suco de cupuacu; Suco natural de vegetais; Suco natural, mistura de frutas e vegetais; Suco de tamarindo; Suco detox; Suco de caja/ mangaba/ tapereba e outros regionais; Refresco de caju; Refresco de limao; Refresco de laranja; Refresco; Q-suco; Refresco de maracuja.</i>
Pizza, chorizo or salami, at plant	<i>Pizza; Pizza calabreza; Pizza de frango com catupiry; Pizza portuguesa; Pizza de queijos; Pizza muçarela / mussarela.</i>

E. List of modified Ecoinvent 3.6 Cutoff processes

Cereals and vegetables

rice production, non-basmati | rice, non-basmati | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Irrigation	market for irrigation irrigation Cutoff, U - GLO	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.

fava bean production, organic | fava bean, organic | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Combine harvesting	market for combine harvesting combine harvesting Cutoff, U - GLO	combine harvesting combine harvesting Cutoff, U - BR	Link to a new provider.
Drying of bread grain, seed and legumes	market for drying of bread grain, seed and legumes drying of bread grain, seed and legumes Cutoff, U - GLO	drying of bread grain, seed and legumes drying of bread grain, seed and legumes Cutoff, U - RoW	Link to a new provider. Energy mix updated (provider market group for electricity, low voltage electricity,

Flow	Original provider	Modified provider	Adaptation
			low voltage Cutoff, U – BR)
Fava bean seed, organic, for sowing	market for fava bean seed, organic, for sowing fava bean seed, organic, for sowing Cutoff, U - GLO	fava bean seed production, organic, for sowing fava bean seed, organic, for sowing Cutoff, U- RoW	Link to a new provider. Energy mix updated.

tofu production | tofu | Cutoff, U - RoW

Flow	Original provider	Modified provider	Adaptation
Electricity, medium voltage	Mix from various locations.	market group for electricity, medium voltage electricity, medium voltage Cutoff, U - BR	Link to a new provider.
Tap water	Mix from various locations.	market for tap water tap water Cutoff, U - BR	Link to a new provider.
Soybean, organic (substituído por soybean)	Market for soybean, organic soybean, organic Cutoff, U - GLO	soybean production soybean Cutoff, U -BR-GO	Link to a new flow and provider.
Biowaste	market for biowaste biowaste Cutoff, U - CH	market for biowaste biowaste Cutoff, U - RoW	Link to a new provider.

Flow	Original provider	Modified provider	Adaptation
Wastewater, average	market for wastewater, average wastewater, average Cutoff, U - CH	market for wastewater, average wastewater, average Cutoff, U - RoW	Link to a new provider.

protein pea production | protein pea | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Combine harvesting	market for combine harvesting combine harvesting Cutoff, U - GLO	combine harvesting combine harvesting Cutoff, U - BR	Link to a new provider.
Drying of bread grain, seed and legumes	market for drying of bread grain, seed and legumes drying of bread grain, seed and legumes Cutoff, U - GLO	drying of bread grain, seed and legumes drying of bread grain, seed and legumes Cutoff, U - RoW	Link to a new provider. Energy mix updated (Provider: market group for electricity, low voltage electricity, low voltage Cutoff, U – BR)
Fertilising, by broadcaster	market for fertilising, by broadcaster fertilising, by	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.

Flow	Original provider	Modified provider	Adaptation
	broadcaster Cutoff, U - GLO		
Pea seed, for sowing	market for pea seed, for sowing pea seed, for sowing Cutoff, U - GLO	pea seed, for sowing pea seed, for sowing Cutoff, U - RoW	Link to a new provider. Energy mix updated (Provider: market group for electricity, low voltage electricity, low voltage Cutoff, U – BR)

chickpea production | chickpea | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Pea seed, for sowing	market for pea seed, for sowing pea seed, for sowing Cutoff, U - GLO	pea seed, for sowing pea seed, for sowing Cutoff, U - RoW	Link to a new provider. Energy mix updated (Provider: market group for electricity, low voltage electricity, low voltage Cutoff, U – BR)

Verduras

lettuce³⁶¹ production | lettuce | Cutoff, U – GLO; zucchini production | zucchini | Cutoff, U – GLO; cucumber production | cucumber | Cutoff, U - GLO

Flow	Original provider	Modified provider	Adaptation
Electricity, low voltage	market group for electricity, low voltage electricity, low voltage Cutoff, U - GLO	market group for electricity, low voltage electricity, low voltage Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	market group for irrigation irrigation Cutoff, U - GLO	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Tap water	market group for tap water tap water Cutoff, U - GLO	market for tap water tap water Cutoff, U - BR	Link to a new provider.
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight,	New flow. Data From Conab (2019).

Flow	Original provider	Modified provider	Adaptation
		lorry, unspecified Cutoff, U - GLO	

cabbage white production | cabbage white | Cutoff, U – RoW; cabbage red production | cabbage red | Cutoff, U – GLO; cauliflower production | cauliflower | Cutoff, U – GLO; broccoli production | broccoli | Cutoff, U – GLO;

Flow	Original provider	Modified provider	Adaptation
Electricity, low voltage	Mix from various locations.	market group for electricity, low voltage electricity, low voltage Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight,	New flow. Data From Conab (2019).

Flow	Original provider	Modified provider	Adaptation
		lorry, unspecified Cutoff, U - GLO	

white asparagus production | white asparagus | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Asparagus seedig, for planting	market for asparagus seedling, for planting asparagus seedling, for planting Cutoff, U - GLO	asparagus seedling production, for planting asparagus seedling, for planting Cutoff, U - RoW	Link to new provider and energy mix update.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.

tomato production, fresh grade, open field | tomato, fresh grade | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
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Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
mancozeb	market for mancozeb mancozeb Cutoff, U - GLO		Link to new provider and energy mix update.
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

carrot production | carrot | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
application of plant protection product, by field sprayer	market for application of plant protection product, by field sprayer application of plant	application of plant protection product, by field sprayer application of plant protection product,	Link to a new provider.

	protection product, by field sprayer Cutoff, U - GLO	by field sprayer Cutoff, U - BR	
carrot seed, for sowing	market for carrot seed, for sowing carrot seed, for sowing Cutoff, U - GLO	carrot seed production, for sowing carrot seed, for sowing Cutoff, U - RoW	Link to new provider and energy mix update.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

bell pepper production, open field | bell pepper | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
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Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Naphtha	Mix from various locations.	market for naphtha naphtha Cutoff, U - BR	Link to a new provider.
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

aubergine production, open field | aubergine | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

onion production | onion | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Onion seedling, for planting	market for onion seedling, for planting onion seedling, for planting Cutoff, U – GLO	market for onion seedling, for planting onion seedling, for planting Cutoff, U – GLO	Energy mix update.
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

radish production | radish | Cutoff, U – GLO

Flow	Original provider	Modified provider	Adaptation
Electricity, low voltage	market group for electricity, low voltage electricity, low voltage Cutoff, U - GLO	market group for electricity, low voltage electricity, low voltage Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster	fertilising, by broadcaster fertilising, by	Link to a new provider.

	fertilising, by broadcaster Cutoff, U - GLO	broadcaster Cutoff, U - BR	
Irrigation	market group for irrigation irrigation Cutoff, U - GLO	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Tap water	market group for tap water tap water Cutoff, U - GLO	market for tap water tap water Cutoff, U - BR	Link to a new provider.

chilli production | chilli | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.

palm date production | palm date | Cutoff, U – GLO

Flow	Original provider	Modified provider	Adaptation
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Irrigation	market group for irrigation irrigation Cutoff, U - GLO	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
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Raízes e tubérculos

potato production | potato | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Potato grading	potato grading potato grading Cutoff, U - RoW	potato grading potato grading Cutoff, U - RoW	Energy mix update.
Potato seed, for setting	market for potato seed, for setting potato seed, for setting Cutoff, U - GLO	potato seed production, for setting potato seed, for setting Cutoff, U - RoW	Link to new provider and energy mix update.

Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).
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sugar beet production | sugar beet | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
sugar beet seed, for sowing	market for sugar beet seed, for sowing sugar beet seed, for sowing Cutoff, U - GLO	sugar beet seed production, for sowing sugar beet seed, for sowing Cutoff, U - GLO	Link to new provider and energy mix update.
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

Frutas

pineapple production | pineapple | Cutoff, U – GLO

Flow	Original provider	Modified provider	Adaptation
Electricity, low voltage	market group for electricity, low voltage electricity, low voltage Cutoff, U - GLO	market group for electricity, low voltage electricity, low voltage Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	market group for irrigation irrigation Cutoff, U - GLO	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

banana production | banana | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
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Electricity, low voltage	Mix from various locations.	market group for electricity, low voltage electricity, low voltage Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Naphtha	Mix from various locations.	market for naphtha naphtha Cutoff, U - BR	Link to a new provider.
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

orange production, processing grade | orange, processing grade | Cutoff, U – BR

Flow	Original provider	Modified provider	Adaptation
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Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).
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apple production | apple | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Application of plant protection product, by field sprayer	market for application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - GLO	application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.

Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).
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papaya production | papaya | Cutoff, U – GLO

Flow	Original provider	Modified provider	Adaptation
Electricity, low voltage	market group for electricity, low voltage electricity, low voltage Cutoff, U - GLO	market group for electricity, low voltage electricity, low voltage Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	market group for irrigation irrigation Cutoff, U - GLO	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight,	New flow. Data From Conab (2019).

		lorry, unspecified Cutoff, U - GLO	
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mango production | mango | Cutoff, U – BR

Flow	Original provider	Modified provider	Adaptation
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

melon production | melon | Cutoff, U – GLO

Flow	Original provider	Modified provider	Adaptation
Electricity, low voltage	market group for electricity, low voltage electricity, low voltage Cutoff, U - GLO	market group for electricity, low voltage electricity, low voltage Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	market group for irrigation	market for irrigation	Link to a new provider.

	irrigation Cutoff, U - GLO	irrigation Cutoff, U - BR	
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

mandarin production | mandarin | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Application of plant protection product, by field sprayer	market for application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - GLO	application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	market group for irrigation	market for irrigation	Link to a new provider.

	irrigation Cutoff, U - GLO	irrigation Cutoff, U - BR	
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

grape production | grape | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Electricity, low voltage	Mix from various locations.	market group for electricity, low voltage electricity, low voltage Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Mix from various locations.	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	market group for irrigation irrigation Cutoff, U - GLO	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified	New flow. Data From Conab (2019).

		transport, freight, lorry, unspecified Cutoff, U - GLO	
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apricot production | apricot | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Application of plant protection product, by field sprayer	market for application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - GLO	application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Transport, tractor and trailer, agricultural	market for transport, tractor and trailer, agricultural	market for transport, tractor and trailer, agricultural	Link to a new provider.

	transport, tractor and trailer, agricultural Cutoff, U - CH	transport, tractor and trailer, agricultural Cutoff, U - RoW	
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lemon production | lemon | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Application of plant protection product, by field sprayer	market for application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - GLO	application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Transport, tractor and trailer, agricultural	market for transport, tractor and trailer,	market for transport, tractor and trailer,	Link to a new provider.

	agricultural transport, tractor and trailer, agricultural Cutoff, U - CH	agricultural transport, tractor and trailer, agricultural Cutoff, U - RoW	
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

avocado production | avocado | Cutoff, U – GLO

Flow	Original provider	Modified provider	Adaptation
Electricity, low voltage	market group for electricity, low voltage electricity, low voltage Cutoff, U - GLO	market group for electricity, low voltage electricity, low voltage Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	market group for irrigation	market for irrigation	Link to a new provider.

	irrigation Cutoff, U - GLO	irrigation Cutoff, U - BR	
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

pear production | pear | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Application of plant protection product, by field sprayer	market for application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - GLO	application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	Mix from various locations.	market for irrigation	Link to a new provider.

		irrigation Cutoff, U - BR	
Transport, tractor and trailer, agricultural	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - CH	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - RoW	Link to a new provider.
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

peach production | peach | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Application of plant protection product, by field sprayer	market for application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - GLO	application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - BR	Link to a new provider.

Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Transport, tractor and trailer, agricultural	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - CH	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - RoW	Link to a new provider.
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

Flow	Original provider	Modified provider	Adaptation
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Electricity, low voltage	market group for electricity, low voltage electricity, low voltage Cutoff, U - GLO	market group for electricity, low voltage electricity, low voltage Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	market group for irrigation irrigation Cutoff, U - GLO	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

strawberry production, open field, macro tunnel | strawberry | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.

Strawberry seedling, for planting	market for strawberry seedling, for planting strawberry seedling, for planting Cutoff, U - GLO	strawberry seedling production, in unheated greenhouse, for planting strawberry seedling, for planting Cutoff, U - RoW	Link to new provider and energy mix update.
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

Oleaginosas

coconut production, dehusked | coconut, dehusked | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Transport, tractor and trailer, agricultural	market for transport, tractor and trailer, agricultural	market for transport, tractor and trailer, agricultural	Link to a new provider.

	transport, tractor and trailer, agricultural Cutoff, U - CH	transport, tractor and trailer, agricultural Cutoff, U - RoW	
Transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Data From Conab (2019).

cashew production | cashew | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Transport, tractor and trailer, agricultural	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - CH	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - RoW	Link to a new provider.

peanut production | peanut | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
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Application of plant protection product, by field sprayer	market for application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - GLO	application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - BR	Link to a new provider.
Combine harversting	market for combine harvesting combine harvesting Cutoff, U - GLO	combine harvesting combine harvesting Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Transport, tractor and trailer, agricultural	market for transport, tractor and trailer, agricultural transport, tractor and trailer,	market for transport, tractor and trailer, agricultural transport, tractor and trailer,	Link to a new provider.

	agricultural Cutoff, U - CH	agricultural Cutoff, U - RoW	
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linseed production | linseed | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Application of plant protection product, by field sprayer	market for application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - GLO	application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - BR	Link to a new provider.
Combine harvester	market for combine harvesting combine harvesting Cutoff, U - GLO	combine harvesting combine harvesting Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.

Linseed seed, for sowing	market for linseed seed, for sowing linseed seed, for sowing Cutoff, U - GLO	linseed seed production, for sowing linseed seed, for sowing Cutoff, U - RoW	Link to new provider and energy mix update.
Transport, tractor and trailer, agricultural	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - CH	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - RoW	Link to a new provider.

sesame seed production | sesame seed | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Transport, tractor and trailer, agricultural	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - CH	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - RoW	Link to a new provider.

almond production | almond | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Application of plant protection product, by field sprayer	market for application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - GLO	application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Transport, tractor and trailer, agricultural	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - CH	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - RoW	Link to a new provider.

palm fruit bunch production | palm fruit bunch | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Application of plant protection product, by field sprayer	market for application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - GLO	application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - BR	Link to a new provider.
Dolomite	market for dolomite dolomite Cutoff, U - RER	dolomite production dolomite Cutoff, U - RoW	Link to new provider and energy mix update.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Lime	market for lime lime Cutoff, U - RER	lime production, milled, loose lime Cutoff, U - RoW	Link to new provider and energy mix update.

Transport, tractor and trailer, agricultural	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - CH	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - RoW	Link to a new provider.
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Flour and pasta

maize grain processing, dry milling | maize flour | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Building, multi-storey	market for building, multi-storey building, multi-storey Cutoff, U - GLO	building construction, multi-storey building, multi-storey Cutoff, U - RoW	Link to new provider and energy mix update.
Electricity, low voltage	Mix from various locations.	market group for electricity, low voltage electricity, low voltage Cutoff, U - BR	Link to a new provider.
Industrial machine, heavy, unspecified	market for industrial machine, heavy, unspecified industrial	market for industrial machine, heavy, unspecified industrial machine,	Link to a new provider.

	machine, heavy, unspecified Cutoff, U - RER	heavy, unspecified Cutoff, U - RoW	
Maize grain	market for maize grain maize grain Cutoff, U - RoW	market for maize grain maize grain Cutoff, U - BR	Link to a new provider.
Tap water	Mix from various locations.	market for tap water tap water Cutoff, U - BR	Link to a new provider.

oat production | oat grain | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Application of plant protection product, by field sprayer	market for application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - GLO	application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - BR	Link to a new provider.
Combine harvesting	market for combine harvesting combine harvesting Cutoff, U - GLO	combine harvesting combine harvesting Cutoff, U - BR	Link to a new provider.
Drying of bread grain, seed and legumes	market for drying of bread grain, seed and legumes drying of bread	drying of bread grain, seed and legumes drying of bread grain, seed	Link to new provider and energy mix update.

	grain, seed and legumes Cutoff, U - GLO	and legumes Cutoff, U - RoW	
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Lime	market for lime lime Cutoff, U - RER	lime production, milled, loose lime Cutoff, U - RoW	Link to new provider and energy mix update.
Transport, tractor and trailer, agricultural	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - CH	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - RoW	Link to a new provider.

Meat

swine production | swine for slaughtering, live weight | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
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barley grain, feed	market for barley grain, feed barley grain, feed Cutoff, U - GLO	barley grain, feed production barley grain, feed Cutoff, U - RoW	Link to new provider and energy mix update.
limestone, crushed, washed	market for limestone, crushed, washed limestone, crushed, washed Cutoff, U - CH	limestone production, crushed, washed limestone, crushed, washed Cutoff, U - RoW	Link to new provider and energy mix update.
maize grain, feed	market for maize grain, feed maize grain, feed Cutoff, U - RoW	maize grain, feed production maize grain, feed Cutoff, U - RoW	Link to new provider and energy mix update.
oat grain	market for oat grain oat grain Cutoff, U - GLO	oat production oat grain Cutoff, U - RoW	Link to new provider and energy mix update.
operation, housing system, pig, fully-slatted floor, per pig place	market for operation, housing system, pig, fully-slatted floor, per pig place operation, housing system, pig, fully-slatted floor, per pig place Cutoff, U - GLO	operation, housing system, pig, fully-slatted floor operation, housing system, pig, fully-slatted floor, per pig place Cutoff, U - RoW	Link to new provider and energy mix update.

rape meal	market for rape meal rape meal Cutoff, U - GLO	rape oil mill operation rape meal Cutoff, U - RoW	Link to new provider and energy mix update.
sodium chloride, powder	market for sodium chloride, powder sodium chloride, powder Cutoff, U - GLO	sodium chloride production, powder sodium chloride, powder Cutoff, U - RoW	Link to new provider and energy mix update.
Soybean, feed	market for soybean, feed soybean, feed Cutoff, U - GLO	soybean, feed production soybean, feed Cutoff, U - RoW	Link to new provider and energy mix update.
wheat grain, feed	market for wheat grain, feed wheat grain, feed Cutoff, U - GLO	wheat grain, feed production wheat grain, feed Cutoff, U - RoW	Link to new provider and energy mix update.
whey	market for whey whey Cutoff, U - GLO	tofu production whey Cutoff, U - RoW	Link to new provider and energy mix update.
transport, freight, lorry, unspecified	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	-	New flow. Amount data from process market for swine for slaughtering, live weight swine for slaughtering, live weight Cutoff, U - GLO

chicken production | chicken for slaughtering, live weight | Cutoff, U – GLO

Flow	Original provider	Modified provider	Adaptation
electricity, low voltage	market group for electricity, low voltage electricity, high voltage Cutoff, U - GLO	market group for electricity, low voltage electricity, high voltage Cutoff, U - BR	Link to a new provider.
energy feed, gross	market for energy feed, gross energy feed, gross Cutoff, U - ZA	market for energy feed, gross energy feed, gross Cutoff, U - RoW	Link to a new provider.
shed	market for shed shed Cutoff, U - GLO	shed construction shed Cutoff, U - RoW	Link to new provider and energy mix update.
transport, freight, lorry, unspecified	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	-	New flow. Amount data from process market for chicken for slaughtering, live weight chicken for slaughtering, live weight Cutoff, U - GLO

demersal fish to generic market for marine fish | fish, marine | Cutoff, U – GLO

Flow	Original provider	Modified provider	Adaptation
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demersal fish, fresh	<p>hake, capture by trawler and landing whole, fresh demersal fish, fresh Cutoff, U – NA</p> <p>hake, capture by trawler and landing whole, fresh demersal fish, fresh Cutoff, U – ES</p> <p>hake, capture by trawler and landing whole, fresh demersal fish, fresh Cutoff, U - PE</p>	<p>hake, capture by trawler and landing whole, fresh demersal fish, fresh Cutoff, U – RoW</p>	Link to new provider and energy mix update.
demersal fish, fresh	<p>hake, capture by long liner and landing whole, fresh demersal fish, fresh Cutoff, U - RER</p>	<p>hake, capture by long liner and landing whole, fresh demersal fish, fresh Cutoff, U - RoW</p>	Link to new provider and energy mix update.
transport, freight, lorry, unspecified	<p>market for transport, freight, lorry with refrigeration machine, cooling transport, freight,</p>	-	New flow. Amount data from process market for demersal fish, fresh demersal fish,

	lorry with refrigeration machine, cooling Cutoff, U - GLO		fresh Cutoff, U - GLO
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fish canning, small fish | fish canning, small fish | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Electricity, low voltage	Mix from various locations.	market group for electricity, low voltage electricity, low voltage Cutoff, U - BR	Link to a new provider.
fish canning plant	market for fish canning plant fish canning plant Cutoff, U - GLO	fish canning plant construction and maintenance fish canning plant Cutoff, U - RoW	Link to new provider and energy mix update.
Fish, marine	-	demersal fish to generic market for marine fish fish, marine Cutoff, U – GLO	New flow. Energy mix update.

tilapia production, extensive aquaculture, in pond | tilapia | Cutoff, U – GLO

Flow	Original provider	Modified provider	Adaptation
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Concrete, normal	Mix from various locations.	market for concrete, normal concrete, normal Cutoff, U - BR	Link to a new provider.
Electricity, medium voltage	Mix from various locations.	market group for electricity, medium voltage electricity, medium voltage Cutoff, U - BR	Link to a new provider.
quicklime, milled, packed	market for quicklime, milled, packed quicklime, milled, packed Cutoff, U - RER	market for quicklime, milled, packed quicklime, milled, packed Cutoff, U - RoW	Link to a new provider.
tilapia feed, 24-28% protein	market for tilapia feed, 24-28% protein tilapia feed, 24-28% protein Cutoff, U - GLO	tilapia feed production, commercial tilapia feed, 24-28% protein Cutoff, U - RoW	Link to new provider and energy mix update.
transport, freight, lorry with refrigeration machine, cooling	-	market for transport, freight, lorry with refrigeration machine, cooling transport, freight, lorry with refrigeration	New flow. Amount data from process market for tilapia tilapia Cutoff, U - GLO

		machine, cooling Cutoff, U - GLO	
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sheep production, for meat | sheep for slaughtering, live weight | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Lime	market for lime lime Cutoff, U - RER	lime production, milled, loose lime Cutoff, U - RoW	Link to new provider and energy mix update.
Lime, packed	market for lime, packed lime, packed Cutoff, U - Europe without Switzerland market for lime, packed lime, packed Cutoff, U - CH	market for lime, packed lime, packed Cutoff, U - RoW	Link to a new provider.

Maize grain	market for maize grain maize grain Cutoff, U - ZA	market for maize grain maize grain Cutoff, U - BR	Link to a new provider.
transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Amount data from process <i>market for sheep for slaughtering, live weight sheep for slaughtering, live weight Cutoff, U- GLO</i>

Dairy products

milk production, from cow | cow milk | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
barley grain, feed	market for barley grain, feed barley grain, feed Cutoff, U - GLO	barley grain, feed production barley grain, feed Cutoff, U - RoW	Link to new provider and energy mix update.

electricity, low voltage	Mix from various locations.	market group for electricity, low voltage electricity, low voltage Cutoff, U - BR	Link to a new provider.
limestone, crushed, washed	market for limestone, crushed, washed limestone, crushed, washed Cutoff, U - CH	limestone production, crushed, washed limestone, crushed, washed Cutoff, U - RoW	Link to new provider and energy mix update.
Maize grain, feed	market for maize grain, feed maize grain, feed Cutoff, U - RoW	maize grain, feed production maize grain, feed Cutoff, U - RoW	Link to new provider and energy mix update.
Maize silage	market for maize silage maize silage Cutoff, U - RoW	market for maize silage maize silage Cutoff, U - BR	Link to a new provider.
Oat grain	market for oat grain oat grain Cutoff, U - GLO	oat production oat grain Cutoff, U - RoW	Link to new provider and energy mix update.
operation, housing system, cattle, loose, per animal unit	market for operation, housing system, cattle, loose, per animal unit operation, housing system, cattle, loose, per	operation, housing system, cattle, loose operation, housing system, cattle, loose, per animal unit Cutoff, U - RoW	Link to new provider and energy mix update.

	animal unit Cutoff, U - GLO		
operation, housing system, cattle, tied, per animal unit	market for operation, housing system, cattle, tied, per animal unit operation, housing system, cattle, tied, per animal unit Cutoff, U - GLO	operation, housing system, cattle, tied operation, housing system, cattle, tied, per animal unit Cutoff, U - RoW	Link to new provider and energy mix update.
Rape meal	market for rape meal rape meal Cutoff, U - GLO	rape oil mill operation rape meal Cutoff, U - RoW	Link to new provider and energy mix update.
sodium chloride, powder	market for sodium chloride, powder sodium chloride, powder Cutoff, U - GLO	sodium chloride production, powder sodium chloride, powder Cutoff, U - RoW	Link to new provider and energy mix update.
Soybean, feed	market for soybean, feed soybean, feed Cutoff, U - GLO	soybean, feed production soybean, feed Cutoff, U - RoW	Link to new provider and energy mix update.
straw	market for straw straw Cutoff, U - RER	market for straw straw Cutoff, U - RoW	Link to a new provider.

wood chips, dry, measured as dry mass	market for wood chips, dry, measured as dry mass wood chips, dry, measured as dry mass Cutoff, U - RER	market for wood chips, dry, measured as dry mass wood chips, dry, measured as dry mass Cutoff, U - RoW	Link to a new provider.
transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Amount data from process <i>market for cow milk / cow milk / Cutoff, U - GLO</i>

butter production, from cream, from cow milk | skimmed milk, from cow milk | Cutoff, U – GLO

Flow	Original provider	Modified provider	Adaptation
cream, from cow milk	market for cream, from cow milk cream, from cow milk Cutoff, U - GLO	yogurt production, from cow milk cream, from cow milk Cutoff, U - RoW	Link to new provider and energy mix update.
dairy	market for dairy dairy Cutoff, U - GLO	dairy construction dairy Cutoff, U - GLO	Link to new provider and energy mix update.
electricity, medium voltage	market group for electricity, medium voltage electricity,	market group for electricity, medium voltage electricity,	Link to a new provider.

	medium voltage Cutoff, U - GLO	medium voltage Cutoff, U - BR	
nitric acid, without water, in 50% solution state	market for nitric acid, without water, in 50% solution state nitric acid, without water, in 50% solution state Cutoff, U - RER	market for nitric acid, without water, in 50% solution state nitric acid, without water, in 50% solution state Cutoff, U - RoW	Link to a new provider.
Tap water	market group for tap water tap water Cutoff, U - GLO	market for tap water tap water Cutoff, U - BR	Link to a new provider.

**cheese production, soft, from cow milk | cheese, from cow milk, fresh, unripened |
Cutoff, U – GLO**

Flow	Original provider	Modified provider	Adaptation
Cow milk	market for cow milk cow milk Cutoff, U - GLO	milk production, from cow cow milk Cutoff, U - RoW	Provider energy mix updated.
cream, from cow milk	market for cream, from cow milk cream, from cow milk Cutoff, U - GLO	yogurt production, from cow milk cream, from cow milk Cutoff, U - RoW	Link to a new provider. Energy mix updated.

dairy	market for dairy dairy Cutoff, U - GLO	dairy construction dairy Cutoff, U - GLO	Link to new provider and energy mix update.
electricity, medium voltage	market group for electricity, medium voltage electricity, medium voltage Cutoff, U - GLO	market group for electricity, medium voltage electricity, medium voltage Cutoff, U - BR	Link to a new provider.
nitric acid, without water, in 50% solution state	market for nitric acid, without water, in 50% solution state nitric acid, without water, in 50% solution state Cutoff, U - RER	market for nitric acid, without water, in 50% solution state nitric acid, without water, in 50% solution state Cutoff, U - RoW	Link to a new provider.
Tap water	market group for tap water tap water Cutoff, U - GLO	market for tap water tap water Cutoff, U - BR	Link to a new provider.
transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Amount data from process <i>market for cheese, from cow milk, fresh, unripened cheese, from cow milk, fresh, unripened Cutoff, U - GLO</i>

yogurt production, from cow milk | cream, from cow milk | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Cow milk	market for cow milk cow milk Cutoff, U - GLO	milk production, from cow cow milk Cutoff, U - RoW	Provider energy mix updated.
electricity, medium voltage	Mix from various locations.	market group for electricity, medium voltage electricity, medium voltage Cutoff, U - BR	Link to a new provider.
heat, district or industrial, natural gas	market group for heat, district or industrial, natural gas heat, district or industrial, natural gas Cutoff, U - RER	market for heat, district or industrial, natural gas heat, district or industrial, natural gas Cutoff, U - RoW	Link to a new provider.
nitric acid, without water, in 50% solution state	market for nitric acid, without water, in 50% solution state nitric acid, without water, in 50% solution state Cutoff, U - RER	market for nitric acid, without water, in 50% solution state nitric acid, without water, in 50% solution state Cutoff, U - RoW	Link to a new provider.
sugar, from sugarcane	market for sugar, from sugarcane sugar, from	sugarcane processing, modern annexed plant sugar, from	Link to a new provider.

	sugarcane Cutoff, U - GLO	sugarcane Cutoff, U - BR	
Tap water	market group for tap water tap water Cutoff, U - GLO	market for tap water tap water Cutoff, U - BR	Link to a new provider.
water, deionised	market for water, deionised water, deionised Cutoff, U - Europe without Switzerland market for water, deionised water, deionised Cutoff, U - CH	market for water, deionised water, deionised Cutoff, U - RoW	Link to a new provider.
Wheat grain	market for wheat grain wheat grain Cutoff, U - ZA	market for wheat grain wheat grain Cutoff, U - RoW	Link to a new provider.
whey	market for whey whey Cutoff, U - GLO	tofu production whey Cutoff, U - RoW	Link to a new provider. Energy mix updated.

yogurt production, from cow milk | yogurt, from cow milk | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
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ammonia, liquid	market for ammonia, liquid ammonia, liquid Cutoff, U - RER	market for ammonia, liquid ammonia, liquid Cutoff, U - RoW	Link to a new provider.
Cow milk	market for cow milk cow milk Cutoff, U - GLO	milk production, from cow cow milk Cutoff, U - RoW	Provider energy mix updated.
electricity, medium voltage	Mix from various locations.	market group for electricity, medium voltage electricity, medium voltage Cutoff, U - BR	Link to a new provider.
heat, district or industrial, natural gas	market group for heat, district or industrial, natural gas heat, district or industrial, natural gas Cutoff, U - RER	market for heat, district or industrial, natural gas heat, district or industrial, natural gas Cutoff, U - RoW	Link to a new provider.
hydrogen peroxide, without water, in 50% solution state	market for hydrogen peroxide, without water, in 50% solution state hydrogen peroxide, without water, in 50% solution state Cutoff, U - RER	market for hydrogen peroxide, without water, in 50% solution state hydrogen peroxide, without water, in 50% solution state Cutoff, U - RoW	Link to a new provider.

nitric acid, without water, in 50% solution state	market for nitric acid, without water, in 50% solution state nitric acid, without water, in 50% solution state Cutoff, U - RER	market for nitric acid, without water, in 50% solution state nitric acid, without water, in 50% solution state Cutoff, U - RoW	Link to a new provider.
propylene glycol, liquid	market for propylene glycol, liquid propylene glycol, liquid Cutoff, U - RER	market for propylene glycol, liquid propylene glycol, liquid Cutoff, U - RoW	Link to a new provider.
sodium hypochlorite, without water, in 15% solution state	market for sodium hypochlorite, without water, in 15% solution state sodium hypochlorite, without water, in 15% solution state Cutoff, U - RER	market for sodium hypochlorite, without water, in 15% solution state sodium hypochlorite, without water, in 15% solution state Cutoff, U - RoW	Link to a new provider.
sugar, from sugarcane	market for sugar, from sugarcane sugar, from sugarcane Cutoff, U - GLO	sugarcane processing, modern annexed plant sugar, from sugarcane Cutoff, U - BR	Link to a new provider.

Tap water	market group for tap water tap water Cutoff, U - GLO	market for tap water tap water Cutoff, U - BR	Link to a new provider.
transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Amount data from process <i>market for yogurt, from cow milk yogurt, from cow milk Cutoff, U-GLO</i>
water, deionised	market for water, deionised water, deionised Cutoff, U - Europe without Switzerland market for water, deionised water, deionised Cutoff, U - CH	market for water, deionised water, deionised Cutoff, U - RoW	Link to a new provider.
Wheat grain	market for wheat grain wheat grain Cutoff, U - ZA	market for wheat grain wheat grain Cutoff, U - RoW	Link to a new provider.
whey	market for whey whey Cutoff, U - GLO	tofu production whey Cutoff, U - RoW	Link to a new provider. Energy mix updated.

butter production, from cow milk | buttermilk, from cow milk | Cutoff, U – GLO

Flow	Original provider	Modified provider	Adaptation
Cow milk	market for cow milk cow milk Cutoff, U - GLO	milk production, from cow cow milk Cutoff, U - RoW	Provider energy mix updated.
dairy	market for dairy dairy Cutoff, U - GLO	dairy construction dairy Cutoff, U - GLO	Link to new provider and energy mix update.
electricity, medium voltage	market group for electricity, medium voltage electricity, medium voltage Cutoff, U - GLO	market group for electricity, medium voltage electricity, medium voltage Cutoff, U - BR	Link to a new provider.
nitric acid, without water, in 50% solution state	market for nitric acid, without water, in 50% solution state nitric acid, without water, in 50% solution state Cutoff, U - RER	market for nitric acid, without water, in 50% solution state nitric acid, without water, in 50% solution state Cutoff, U - RoW	Link to a new provider.
Tap water	market group for tap water tap water Cutoff, U - GLO	market for tap water tap water Cutoff, U - BR	Link to a new provider.

butter production, from cow milk | butter, from cow milk | Cutoff, U – GLO

Flow	Original provider	Modified provider	Adaptation
Cow milk	market for cow milk cow milk Cutoff, U - GLO	milk production, from cow cow milk Cutoff, U - RoW	Provider energy mix updated.
dairy	market for dairy dairy Cutoff, U - GLO	dairy construction dairy Cutoff, U - GLO	Link to new provider and energy mix update.
electricity, medium voltage	market group for electricity, medium voltage electricity, medium voltage Cutoff, U - GLO	market group for electricity, medium voltage electricity, medium voltage Cutoff, U - BR	Link to a new provider.
nitric acid, without water, in 50% solution state	market for nitric acid, without water, in 50% solution state nitric acid, without water, in 50% solution state Cutoff, U - RER	market for nitric acid, without water, in 50% solution state nitric acid, without water, in 50% solution state Cutoff, U - RoW	Link to a new provider.
Tap water	market group for tap water tap water Cutoff, U - GLO	market for tap water tap water Cutoff, U - BR	Link to a new provider.
transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight,	New flow. Amount data from process <i>market for butter, from cow milk butter, from cow</i>

		lorry, unspecified Cutoff, U - GLO	<i>milk / Cutoff, U - GLO</i>
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Óleos e gorduras

coconut oil production, crude | coconut oil, crude | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
coconut, dehusked	market for coconut, dehusked coconut, dehusked Cutoff, U - GLO	coconut production, dehusked coconut, dehusked Cutoff, U - RoW	Provider energy mix updated.
dairy	market for dairy dairy Cutoff, U - GLO	dairy construction dairy Cutoff, U - GLO	Link to new provider and energy mix update.
electricity, medium voltage	Mix from various locations.	market group for electricity, medium voltage electricity, medium voltage Cutoff, U - BR	Link to a new provider.
heat, district or industrial, other than natural gas	market for heat, district or industrial, other than natural gas heat, district or industrial, other	market for heat, district or industrial, other than natural gas heat, district or industrial, other than natural gas Cutoff, U - RoW	Link to a new provider.

	<p>than natural gas Cutoff, U - CA-QC</p> <p>market group for heat, district or industrial, other than natural gas heat, district or industrial, other than natural gas Cutoff, U - RER</p>		
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olive production | olive | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Application of plant protection product, by field sprayer	<p>market for application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - GLO</p>	<p>application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - BR</p>	Link to a new provider.
Fertilising, by broadcaster	<p>Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO</p>	<p>fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR</p>	Link to a new provider.

Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
operation, reefer, cooling	-	market for operation, reefer, cooling operation, reefer, cooling Cutoff, U - GLO	New flow. Amount data from process <i>market for olive / olive / Cutoff, U - GLO</i>
transport, freight, lorry with reefer, cooling	-	market for transport, freight, lorry with reefer, cooling transport, freight, lorry with reefer, cooling Cutoff, U - GLO	New flow. Amount data from process <i>market for olive / olive / Cutoff, U - GLO</i>

Beverages

tap water production, conventional treatment | tap water | Cutoff, U – BR

Flow	Original provider	Modified provider	Adaptation
water supply network	-	water supply network construction water supply network Cutoff, U - RoW	New flow. Amount data from process <i>market for tap water / tap water / Cutoff, U - GLO</i>

soybean beverage production | soybean beverage | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
electricity, medium voltage	Mix from various locations.	market group for electricity, medium voltage electricity, medium voltage Cutoff, U - BR	Link to a new provider.
soybean, organic	market for soybean, organic soybean, organic Cutoff, U - GLO	market for soybean soybean Cutoff, U - BR	Flow substituído por <i>soybean</i> . Provider não foi modificado.
steam, in chemical industry	market for steam, in chemical industry steam, in chemical industry Cutoff, U - RER	market for steam, in chemical industry steam, in chemical industry Cutoff, U - RoW	Link to a new provider.
tap water	Mix from various locations.	market for tap water tap water Cutoff, U - BR	New flow. Amount data from process <i>market for olive / olive Cutoff, U - GLO</i>
transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Amount data from process <i>market for soybean beverage / soybean beverage Cutoff, U - GLO</i>

tea production, dried | tea, dried | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Application of plant protection product, by field sprayer	market for application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - GLO	application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.
Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
transport, tractor and trailer, agricultural	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - CH	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - RoW	Link to a new provider.

transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Amount data from process <i>market for tea, dried tea, dried Cutoff, U - GLO</i>
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barley production | barley grain | Cutoff, U – RoW

Flow	Original provider	Modified provider	Adaptation
Application of plant protection product, by field sprayer	market for application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - GLO	application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - BR	Link to a new provider.
Combine harvesting	market for combine harvesting combine harvesting Cutoff, U - GLO	combine harvesting combine harvesting Cutoff, U - BR	Link to a new provider.
Fertilising, by broadcaster	Market for fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - GLO	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Link to a new provider.

Irrigation	Mix from various locations.	market for irrigation irrigation Cutoff, U - BR	Link to a new provider.
Lime	market for lime lime Cutoff, U - RoW	lime production, milled, loose lime Cutoff, U - RoW	Link to new provider and energy mix update.
transport, tractor and trailer, agricultural	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - CH	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - RoW	Link to a new provider.
transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Amount data from process <i>market for barley grain barley grain / Cutoff, U - GLO</i>

coffee green bean production, arabica | coffee, green bean | Cutoff, U – BR

Flow	Original provider	Modified provider	Adaptation
Lime	market for lime lime Cutoff, U - RoW	lime production, milled, loose lime Cutoff, U - RoW	Link to new provider and energy mix update.

operation, reefer, cooling	-	market for operation, reefer, cooling operation, reefer, cooling Cutoff, U - GLO	New flow. Amount data from process <i>market for coffee, green bean coffee, green bean Cutoff, U - GLO</i>
transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Amount data from process <i>market for coffee, green bean coffee, green bean Cutoff, U - GLO</i>

Doces

sugarcane processing, traditional annexed plant | sugar, from sugarcane | Cutoff, U – BR

Flow	Original provider	Modified provider	Adaptation
transport, freight, lorry, unspecified	-	market group for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - GLO	New flow. Amount data from process <i>market for sugar, from sugarcane sugar, from sugarcane Cutoff, U - GLO</i>

F. Adaptations from Agribalyse 3.0.1 to Ecoinvent 3.6 Cutoff

Egg, conventional, indoor production, cage 2012 rules

Description: Included processes: The inventory includes: all activities of a poultry farm, that is (1) all inputs as livestock (young animal), feeds, water (watering and cleaning), fuels and energy used for the hatchery as well as the transport to the farm; (2) the buildings and barns (3) emissions due to the effluent management.

The temporal border of the inventory is 'one year of production'.

Cut-off rule, exclusion: The inventory does not include vet products and cares, artificial insemination process, small cleaning material and all processes occurring outside of the farm (slaughtering, processing, conservation etc.).

Refers to 1 kg of egg or 1 kg (live weight) of cull hen.

Allocation: Allocation to the coproducts egg and cull hen has been performed using the biophysical allocation approach. Eggs: 100% of the laying hens stage. Cull hens: 100% of the future reproductive, reproductive and young hens stages.

Remark: AGRIBALYSE V1.4, Mai 2020

Coproducts: 634278.912 kg Egg, 31666.0 Cull hen (weight 1,88 kg)

ILCD – Overall data quality:

Technological representativeness (TeR) = 2: Good

Geographical representativeness (GR) = 2: Good

Time-related representativeness (TiR) = 1: Very good

Completeness (C) = 2: Good

Precision / uncertainty (P) = 2: Good

Methodological appropriateness and consistency (M) = 2: Good

Final note = 1,9: Basic quality

All background data originates either from Ecoinvent 3.6, INRA or AGRIBALYSE.

Dataset was generated by MEANS-InOut software. Models used: [N2O - IPCC 2006, tier 2; NO - EMEP/EEA, 2016 - Tier 1; N - ITAVI 2013; CH4 - IPCC 2006b; NO3 - Basset-Mens 2007; NH3 - EMEP 2009, tier 2;]

Technology: Conventional production - production mode: Integrated egg production, indoor cage system (2012 rules).

Time period: Inventory data based on the period: 2005-2009

Version: 0.0

Energy values: Net values

Source file: Egg - Conventional - _MEANS#1424-Ecoinvent v3.4.xml

Boundary with nature: Unspecified

Record: Data entry by: Ponchant Paul; Telephone: 00 33 2 96 70 00 05; Company: ITAVI; Country: FR; Salou Thibault; Company: INRA; Country: FR

Generator: Generator/publisher: MEANS-Team - E-mail: means-contact@inra.fr; Company: INRA; Country: FR

Inputs

Flow 3.0.1	Agribalyse	Flow Ecoinvent 3.6 Cutoff U	Provider	Amount	Unit	Description
Electricity, low voltage {FR} market for Cut-off, S - Copied from Ecoinvent - FR		electricity, low voltage	market group for electricity, low voltage electricity, low voltage Cutoff, U - BR	0.223188884	kWh	Energy needed in building.

Heat, central or small-scale, other than natural gas {CH} heat production, light fuel oil, at boiler 100kW condensing, non-modulating Cut-off, S - Copied from Ecoinvent - CH	heat, central or small-scale, other than natural gas	heat production, light fuel oil, at boiler 100kW, non-modulating heat, central or small-scale, other than natural gas Cutoff, U - RoW	0.052131256	MJ	Energy needed in building.
Laying hen, laying hen feed, conv prod, at farm gate/FR U	maize grain, feed	maize grain feed production maize grain, feed Cutoff, U - BR. Created process. Check the next tab.	2.273657535	kg	Compound feedstuff
One-side mechanical ventilation, steel siding and fibre cement roofing/FR U	Occupation, industrial area	-	0.001734253	m2*a	Room required per animal : 0.0
Tap water {Europe without Switzerland} market for Cut-off, S - Copied from Ecoinvent	tap water	market for tap water tap water Cutoff, U - BR	3.954187976	kg	Water for drinking.

Tap water {Europe without Switzerland} market for Cut-off, S - Copied from Ecoinvent	tap water	market for tap water tap water Cutoff, U - BR	0.283414757	kg	Water for cleaning.
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Outputs

Flow 3.0.1	Agribalyse	Flow Ecoinvent 3.6 Cutoff U	Provider	Amount	Unit	Description
Ammonia		Ammonia	-	0.002702935	kg	NH3 solid stock, null. Model used : NH3 - EMEP 2009, tier 2, Pedigree Matrix = (2,3,2,2,1,na)
Ammonia		Ammonia	-	0.013416504	kg	NH3 Solid Building, Emissions due to excretion, in building . Model used : NH3 - EMEP 2009, tier 2, Pedigree Matrix = (2,3,2,2,1,na)
Dinitrogen monoxide		Dinitrogen monoxide	-	0.000215671	kg	N2O excrement Stock solid, Direct N2O emissions due to the storage of liquid excrements.. Model used : N2O - IPCC 2006, tier 2, Pedigree Matrix =
Dinitrogen monoxide		Dinitrogen monoxide	-	0.000210591	kg	Indirect N2O, Indirect N2O emissions due to storage of excrements, and leaching in yards.. Model used : N2O - IPCC 2006, tier 2, Pedigree Matrix =

<i>Egg, conventional, indoor production, cage 2012 rules, at farm gate/FR U</i>	<i>Eggs (created flow)</i>	-	1	kg	
Methane, biogenic	Methane, biogenic	-	0.001392216	kg	Building and stockage feces CH ₄ , Emissions of CH ₄ in the building and during the storage of excrements. Model used : CH ₄ - IPCC 2006b, Pedigree Matrix = (2,2,3,3,1,na)
Nitrogen oxides	Nitrogen oxides	-	0.000270835	kg	NO feces and housing, Emissions in the building and during storage. Model used : NO - EMEP/EEA, 2016 - Tier 1, Pedigree Matrix = (3,4,2,2,1,na)

Maize grain, feed production, organic | maize grain, feed, organic | Cutoff, U (adapted from Ecoinvent 3.6)

Process created: maize grain feed production | maize grain, feed | Cutoff, U

Inputs

Flow	Amount	Unit	Provider
building, multi-storey	8.50E-06	m ³	market for building, multi-storey building, multi-storey Cutoff, U - GLO
electricity, low voltage	0.00765898	kWh	market group for electricity, low voltage electricity, low voltage Cutoff, U - RNA
electricity, low voltage	0.01631241	kWh	market group for electricity, low voltage electricity, low voltage Cutoff, U - RAS

electricity, low voltage	6.56E-05	kWh	market for electricity, low voltage electricity, low voltage Cutoff, U - NZ
electricity, low voltage	0.00148771	kWh	market for electricity, low voltage electricity, low voltage Cutoff, U - RU
electricity, low voltage	0.00268881	kWh	market group for electricity, low voltage electricity, low voltage Cutoff, U - RLA
electricity, low voltage	0.00533383	kWh	market group for electricity, low voltage electricity, low voltage Cutoff, U - Europe without Switzerland
electricity, low voltage	0.00107866	kWh	market group for electricity, low voltage electricity, low voltage Cutoff, U - RAF
electricity, low voltage	3.74E-04	kWh	market for electricity, low voltage electricity, low voltage Cutoff, U - AU
heat, district or industrial, natural gas	0.001715	MJ	market for heat, district or industrial, natural gas heat, district or industrial, natural gas Cutoff, U - CA-QC
heat, district or industrial, natural gas	0.03907741	MJ	market for heat, district or industrial, natural gas heat, district or industrial, natural gas Cutoff, U - Europe without Switzerland
heat, district or industrial, natural gas	0.09695759	MJ	market for heat, district or industrial, natural gas heat, district or industrial, natural gas Cutoff, U - RoW
maize grain ¹	1	kg	market for maize grain maize grain Cutoff, U - BR
Occupation, construction site	2.00E-06	m2*a	
Occupation, industrial area, built up	5.00E-05	m2*a	
tap water	6.83E-05	kg	market for tap water tap water Cutoff, U - PE

¹ The flow "maize grain, organic" was substituted by "maize grain".

tap water	0.02238367	kg	market for tap water tap water Cutoff, U - Europe without Switzerland
tap water	6.30E-05	kg	market for tap water tap water Cutoff, U - CA-QC
tap water	5.23E-04	kg	market for tap water tap water Cutoff, U - BR
tap water	0.0300385	kg	market for tap water tap water Cutoff, U - RoW
tap water	0.00262494	kg	market for tap water tap water Cutoff, U - IN
tap water	1.94E-04	kg	market for tap water tap water Cutoff, U - ZA
tap water	1.04E-04	kg	market for tap water tap water Cutoff, U - CO
Transformation, from unknown	1.00E-06	m2	
Transformation, to industrial area, built up	1.00E-06	m2	

Outputs

Flow	Amount	Unit	Provider
<i>maize grain, feed</i>	1	kg	
wastewater, average	2.57E-05	m3	market for wastewater, average wastewater, average Cutoff, U - RoW
wastewater, average	1.23E-05	m3	market for wastewater, average wastewater, average Cutoff, U - Europe without Switzerland
Water	5.04E-05	kg	

Pizza, chorizo or salami

Description: Inventory of AGRIBALYSE v3.0.1, 2020.

The CIQUAL food item 'Pizza, chorizo or salami' matches with a recipe from ANSES.

Boundary with nature: Unspecified

Inputs

Flow Agribalyse 3.0.1	Flow Ecoinvent 3.6 Cutoff U	Amount	Unit	Provider	Description
Cooking, industrial, 1kg of cooked product/ FR U	Oven baking, 1kg of baked product (created flow)	1	kg	Oven baking, 1kg of baked product (imported from Agribalyse 3.0.1) - BR (created process, see subprocesses table)	
Dry sausages, case ready, at plant/FR U	Sausage (created flow)	0.178	kg	Sausage - BR (created process)	
Gruyere cheese, from cow's milk, at plant/FR U	cheese, from cow milk, fresh, unripened	0.102	kg	cheese production, soft, from cow milk cheese, from cow milk, fresh, unripened Cutoff, U (copy ²) - BR	
Tomato, for processing, peeled, at plant/FR U	tomato, processing grade	0.432	kg	tomato production, processing grade, open field tomato, processing grade Cutoff, U - RoW	

² All “copied” processes were duplicated from Ecoinvent 3.6 Cutoff, U Database and adapted to Brazil, considering the local electricity mix.

Transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling {GLO} transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling Cutoff, S - Copied from Ecoinvent - GLO	transport, freight, lorry with refrigeration machine, 3.5-7.5 ton, EURO5, R134a refrigerant, cooling	495	kg*km	market for transport, freight, lorry with refrigeration machine, 3.5-7.5 ton, EURO5, R134a refrigerant, cooling transport, freight, lorry with refrigeration machine, 3.5-7.5 ton, EURO5, R134a refrigerant, cooling Cutoff, U - GLO	Transport to distribution, includes mass of packaging material
Water, municipal/FR U	tap water	0.13	kg	market for tap water tap water Cutoff, U - BR	
Wheat flour, at industrial mill/FR U	wheat flour	0.22	kg	market for wheat flour wheat flour Cutoff, U - RoW	

Outputs

Flow Agribalyse 3.0.1	Flow Ecoinvent 3.6 Cutoff U	Amount	Unit	Provider	Description
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<i>Pizza, chorizo or salami, at plant/FR U</i>	<i>Pizza, chorizo (created)</i>	1	kg		<i>The CIQUAL food item 'Pizza, chorizo or salami' matches with a recipe from ANSES.</i>
Water	Water	0.0622	kg		Water evaporated

Oven baking, industrial, 1kg of oven-baked product, for cooking

Inputs

Flow Agribalyse 3.0.1	Flow Ecoinvent 3.6 Cutoff U	Amount	Unit	Provider (Ecoinvent)	Description
Electricity, medium voltage {FR} market for Cut-off, S - Copied from Ecoinvent - FR	electricity, medium voltage	1.35	kWh	market group for electricity, medium voltage electricity, medium voltage Cutoff, U - BR	Data from Life Cycle Assessment of the production of homemade and industrial bread in Sweden, M. Bimpeh, E. Djokoto, R. Jequier, 2006, data for industrial bread, from bakery data collection

Outputs

Flow Agribalyse 3.0.1	Flow Ecoinvent 3.6 Cutoff U	Amount	Unit	Provider (Ecoinvent)	Description
Oven baking, industrial, 1kg of oven-baked	Oven baking, 1kg of baked product (created flow)	1	kg	-	-

product, for cooking/ FR U					
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Sausage meat, pure pork, raw, processed in FR | Chilled | Already packed - PET | at supermarket

Description: "Inventory of AGRIBALYSE v3.0.1, 2020

This database has been produced as part of AGRIBALYSE program lead by ADEME and INRAE since 2009. It contains agricultural and food products produced and/or consumed in France. It follows CIQUAL nomenclature, the French nutritional database. AGRIBALYSEv3.0 is built upon previous work and datasets, in particular AGRIBALYSE v1.3 and v1.4 (French agricultural products); ACYVIA (food transformation), Ecoinvent v3.5 (imported products + non-food-datasets) and WFLDB v3.1 (imported products). Methodology principles follow the key international guidelines as much as possible (ISO, LEAP, PEF). All details and documentation available on www.agribalyse.fr<<http://www.agribalyse.fr>>.

Propriété : ADEME

Générateur : Gingko 21, Sayari, Blonk Consultants.

Vérificateurs : RIVM, GreenDelta, Koch Consulting.

Property rights : OpenData, licence "Ecolab".

Contact : agribalyse@ademe.fr

The overall DQR of this product is: 2.47 {P: 3.77, TiR: 2.02, GR: 1.93, TeR: 2.16}

Status: Finished

Boundary with nature: Unspecified"

Inputs

Flow Agribalyse 3.0.1	Flow Ecoinvent 3.6 Cutoff U	Amount	Unit	Provider (Ecoinvent)	Description
Electricity, low voltage {FR} market for Cut-off, S - Copied from Ecoinvent - FR	electricity, low voltage	0.0777	kWh	market group for electricity, low voltage electricity, low voltage Cutoff, U - BR	Cooling at consumer
PET (waste treatment) {GLO} recycling of PET Cut-off, S - Copied from Ecoinvent - GLO	waste polyethylene terephthalate, for recycling, unsorted	0.0285	kg	market for waste polyethylene terephthalate, for recycling, unsorted waste polyethylene terephthalate, for recycling, unsorted Cutoff, U - RoW	Recycling of PET packaging material based on data from France (AGB)
Sausage meat, pure pork, raw, processed in FR Chilled Already packed - PET at supermarket/FR	swine for slaughtering, live weight	0.8776306 1	kg	swine production swine for slaughtering, live weight Cutoff, U (copy) - BR	Modelled parameters: Edible fraction = 1.0, Raw-to-cooked fraction = 0.7916046424811652
Transport, freight, lorry 16-32 metric ton, EURO5 {RER} transport, freight, lorry 16-32 metric ton, EURO5 Cut-off,	transport, freight, lorry 16-32 metric ton, EURO5	0.9	kg*k m	market for transport, freight, lorry 16-32 metric ton, EURO5 transport, freight, lorry 16-32 metric ton,	Transport of packaging waste to sorting centre (18 km)

S - Copied from Ecoinvent - RER				EURO5 Cutoff, U - RoW	
Waste polyethylene terephthalate {CH} treatment of waste polyethylene terephthalate, municipal incineration with fly ash extraction Cut-off, S - Copied from Ecoinvent - CH	waste polyethylene terephthalate	0.011825	kg		Incineration of PET packaging material based on data from France (AGB)
Waste polyethylene terephthalate {CH} treatment of waste polyethylene terephthalate, sanitary landfill Cut-off, S - Copied from Ecoinvent - CH	waste polyethylene terephthalate	0.009675	kg		Landfilling of PET packaging material based on data from France (AGB)

Outputs

Flow Agribalyse 3.0.1	Flow Ecoinvent 3.6 Cutoff U	Amount	Unit	Provider (Ecoinvent)	Description
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Sausage meat, pure pork, raw, processed in FR / Chilled / Already packed - PET / No preparation / at consumer/FR [Ciqual code: 30051]			1 kg		The overall DQR of this product is: 2.47 {P: 3.77, TIR: 2.02, GR: 1.93, TeR: 2.16}
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Bread, French bread (baguette or ball), with yeast, at plant

Description: Inventory of AGRIBALYSE v3.0.1, 2020.

The CIQUAL food item 'Bread, French bread (baguette or ball), with yeast' matches with a recipe from ANSES.Boundary with nature: Unspecified

Inputs

Flow Agribalyse 3.0.1	Flow Ecoinvent 3.6	Amount	Unit	Provider (Ecoinvet)	Description
Cooking, industrial, 1kg of cooked product/ FR U	Oven baking, 1kg of baked product	1	kg	Oven baking, 1kg of baked product (imported from Agribalyse 3.0.1) - BR	
Rye flour, at industrial mill/FR U	wheat flour	0.0814	kg	market for wheat flour wheat flour Cutoff, U - RoW	

Transport, freight, lorry 16-32 metric ton, euro6 {RER} market for transport, freight, lorry 16-32 metric ton, EURO6 Cut-off, S - Copied from Ecoinvent - RER	transport, freight, lorry 16-32 metric ton, EURO5	495	kg*km	market for transport, freight, lorry 16-32 metric ton, EURO5 transport, freight, lorry 16-32 metric ton, EURO5 Cutoff, U - RoW	Transport to distribution, includes mass of packaging material
Water, municipal/FR U	tap water	0.0923	kg	market for tap water tap water Cutoff, U - BR	
Water, municipal/FR U	tap water	0.3	kg	market for tap water tap water Cutoff, U - BR	
Wheat flour, at industrial mill/FR U	wheat flour	0.526	kg	wheat grain processing, dry milling wheat flour Cutoff, U (created) - BR	

Outputs

Flow Agribalyse 3.0.1	Flow Ecoinvent 3.6	Amount	Unit	Provider (Ecoinvet)	Description
Bread, French bread (baguette or ball), with yeast, at plant/FR U		1	kg		The CIQUAL food item 'Bread, French bread (baguette or ball), with yeast' matches with a recipe from ANSES.

Wheat production | wheat grain | Cutoff, U– BR

Source process: wheat production | wheat grain | Cutoff, U – RoW

Description: This dataset represents the production of 1 kg of wheat grain (fresh matter). The amounts of flows are weighted averages over all existing local crop production datasets available for this specific product. The weights are the annual production volumes of the local datasets relative to the sum of all local annual production volumes. The locations of considered datasets in the averaging procedure for this global dataset are Germany, Spain, France and USA. For references refer to the respective local datasets.

;[This dataset was already contained in the ecoinvent database version 2. It was not individually updated during the transfer to ecoinvent version 3. Life Cycle Impact Assessment results may still have changed, as they are affected by changes in the supply chain, i.e. in other datasets. This dataset was generated following the ecoinvent quality guidelines for version 2. It may have been subject to central changes described in the ecoinvent version 3 change report (<http://www.ecoinvent.org/database/ecoinvent-version-3/reports-of-changes/>), and the results of the central updates were reviewed extensively. The changes added e.g. consistent water flows and other information throughout the database. The documentation of this dataset can be found in the ecoinvent reports of version 2, which are still available via the ecoinvent website. The change report linked above covers all central changes that were made during the conversion process.] This activity starts after the harvest of the previous crop. The inputs of seeds, mineral fertilisers, pesticides and irrigation water are considered. It is assumed that no organic fertilisers are applied.

The dataset includes all machine operations and corresponding machine infrastructure and sheds. Machine operations are: soil cultivation, sowing, fertilisation, irrigation, weed control, pest and pathogen control, combine-harvest and transport from field to farm. Further, direct field emissions are included. This activity ends after harvest and drying of grains at the farm gate.

Inputs

Flow	Amount	Unit	Provider	Description
[thio]carbamate-compound	4.98E-07	kg	market for [thio]carbamate-compound [thio]carbamate-compound Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
acetamide-anillide-compound, unspecified	1.57E-07	kg	market for acetamide-anillide-compound, unspecified acetamide-anillide-compound, unspecified Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
ammonia, liquid	0.00752594	kg	market for ammonia, liquid ammonia, liquid Cutoff, U - RoW	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
ammonium nitrate, as N	0.00895431	kg	market for ammonium nitrate, as N ammonium nitrate, as N Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
ammonium sulfate, as N	6.72E-04	kg	market for ammonium sulfate, as N ammonium sulfate, as N Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
application of plant protection product, by field sprayer	6.48E-04	ha	market for application of plant protection product, by field sprayer application of plant protection product, by field sprayer Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.

benzoic-compound	1.33E-06	kg	market for benzoic-compound benzoic-compound Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
Carbon dioxide	1.38865745	kg		Averaged from local datasets. See general comment.
combine harvesting	2.51E-04	ha	combine harvesting combine harvesting Cutoff, U - BR	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
cyclic N-compound	1.92E-05	kg	market for cyclic N-compound cyclic N-compound Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
diphenylether-compound	7.52E-06	kg	market for diphenylether-compound diphenylether-compound Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
drying of bread grain, seed and legumes	0.00294125	l	drying of bread grain, seed and legumes drying of bread grain, seed and legumes Cutoff, U - Copy - BR	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
Energy, gross calorific value, in biomass	14.7876189	MJ		Calculated as a weighted (by production volumes) average of the regional activities. The uncertainty is set up to be the same as in case of the regional activities, only the padigree matrix is adjusted from 2,1,1,1,1 to 2,1,1,1,5.

fertilising, by broadcaster	8.94E-04	ha	fertilising, by broadcaster fertilising, by broadcaster Cutoff, U - BR	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
glyphosate	3.47E-05	kg	market for glyphosate glyphosate Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
irrigation	0.00762631	m3	market for irrigation irrigation Cutoff, U - BR	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
irrigation	0.06817404	m3	market for irrigation irrigation Cutoff, U - BR	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
irrigation	0.00111719	m3	market for irrigation irrigation Cutoff, U - BR	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
irrigation	0.0025183	m3	market for irrigation irrigation Cutoff, U - BR	Averaged from local datasets. See general comment. Averaged from local datasets.

				See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
irrigation	0.24592798	m3	market for irrigation irrigation Cutoff, U - BR	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
irrigation	8.61E-04	m3	market for irrigation irrigation Cutoff, U - BR	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
irrigation	0.0023077	m3	market for irrigation irrigation Cutoff, U - BR	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
irrigation	1.29E-05	m3	market for irrigation irrigation Cutoff, U - BR	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.

				Averaged from local datasets. See general comment.
irrigation	5.03E-04	m3	market for irrigation irrigation Cutoff, U - BR	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
irrigation	0.01277062	m3	market for irrigation irrigation Cutoff, U - BR	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
lime	5.60E-04	kg	lime production, milled, loose lime Cutoff, U (copy) - BR	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
nitrile-compound	2.47E-05	kg	market for nitrile- compound nitrile- compound Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
nitrogen fertiliser, as N	0.00779824	kg	market for nitrogen fertiliser, as N nitrogen fertiliser, as N Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
Occupation, arable	2.06542116	m2*a		Averaged from local datasets. See general comment.
Occupation, arable, non-irrigated,	0.80941575	m2*a		Averaged from local datasets. See general comment.

monotone-intensive				
organophosphorus-compound, unspecified	3.25E-06	kg	market for organophosphorus-compound, unspecified organophosphorus-compound, unspecified Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
packaging, for fertilisers	0.12483697	kg	market for packaging, for fertilisers packaging, for fertilisers Cutoff, U - GLO	Total amount of active substance/s of fertilisers needed for the production of 'wheat grain' is calculated to be circa 6.30E-02 kg. Fertiliser/s used in this dataset is/are: 'ammonia, liquid', 'ammonium nitrate, as N', 'ammonium sulfate, as N', 'lime', 'nitrogen fertiliser, as N', 'phosphate fertiliser, as P2O5', 'potassium chloride, as K2O', 'urea, as N'. The total amount of active substance/s is doubled in order to account for the packaging of the dilluted product of fertiliser/s that is/are applied. Therefore, 1.26E-01 kg of packaging for fertilisers is justified with this exchange.
packaging, for pesticides	5.64E-04	kg	market for packaging, for pesticides packaging, for pesticides Cutoff, U - GLO	Total amount of active substance/s of pesticides needed for the production of wheat grain is calculated to be circa 2.85E-04 kg. Pesticide/s used in this dataset is/are: '[sulfonyl]urea-compound', '[thio]carbamate-compound',

				<p>'acetamide-anillide-compound, unspecified', 'benzoic-compound', 'cyclic N-compound', 'diphenylether-compound', 'glyphosate', 'nitrile-compound', 'organophosphorus-compound, unspecified', 'pesticide, unspecified', 'phenoxy-compound', 'pyrethroid-compound', 'pyridazine-compound', 'triazine-compound, unspecified'. The total amount of active substance/s is doubled in order to account for the packaging of the dilluted product of pesticide/s that is/are applied. Therefore, 5.69E-04 kg of packaging for pesticides is justified with this exchange.</p>
pesticide, unspecified	1.31E-04	kg	market for pesticide, unspecified pesticide, unspecified Cutoff, U - GLO	<p>Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.</p>
phenoxy-compound	3.79E-05	kg	market for phenoxy-compound phenoxy-compound Cutoff, U - GLO	<p>Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.</p>
phosphate fertiliser, as P2O5	0.01411099	kg	market for phosphate fertiliser, as P2O5 phosphate fertiliser, as P2O5 Cutoff, U - GLO	<p>Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.</p>
potassium chloride, as K2O	0.01952486	kg	market for potassium chloride, as K2O	<p>Averaged from local datasets. See general comment.</p>

			potassium chloride, as K2O Cutoff, U - GLO	Averaged from local datasets. See general comment.
pyrethroid-compound	7.29E-07	kg	market for pyrethroid-compound pyrethroid-compound Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
pyridazine-compound	9.54E-06	kg	market for pyridazine-compound pyridazine-compound Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
sowing	2.87E-04	ha	market for sowing sowing Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
tillage, cultivating, chiselling	2.40E-05	ha	market for tillage, cultivating, chiselling tillage, cultivating, chiselling Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
tillage, harrowing, by rotary harrow	9.65E-05	ha	market for tillage, harrowing, by rotary harrow tillage, harrowing, by rotary harrow Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
tillage, harrowing, by spring tine harrow	4.90E-04	ha	market for tillage, harrowing, by spring tine harrow tillage, harrowing, by spring tine harrow Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
tillage, ploughing	6.69E-05	ha	market for tillage, ploughing tillage, ploughing Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.

tillage, rolling	2.17E-04	ha	market for tillage, rolling tillage, rolling Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
Transformation, from arable	2.06542116	m2		Averaged from local datasets. See general comment.
Transformation, from arable, non- irrigated, monotone- intensive	0.80609862	m2		Averaged from local datasets. See general comment.
Transformation, to arable	2.06542116	m2		Averaged from local datasets. See general comment.
Transformation, to arable, non- irrigated, monotone- intensive	0.80609862	m2		Averaged from local datasets. See general comment.
transport, tractor and trailer, agricultural	0.00152612	t*km	market for transport, tractor and trailer, agricultural transport, tractor and trailer, agricultural Cutoff, U - CH	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
triazine-compound, unspecified	2.27E-06	kg	market for triazine- compound, unspecified triazine-compound, unspecified Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.
urea, as N	0.00327195	kg	market for urea, as N urea, as N Cutoff, U - GLO	Averaged from local datasets. See general comment. Averaged from local datasets. See general comment.

wheat seed, for sowing	0.03290255	kg	market for wheat seed, for sowing wheat seed, for sowing Cutoff, U - GLO	Averaged from local datasets. See general comment.
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Outputs

Flow	Amount	Unit	Provider	Description
Ammonia	0.001932316	kg		Averaged from local datasets. See general comment.
Anthraquinone	2.37E-06	kg		Averaged from local datasets. See general comment.
Atrazine	1.35E-06	kg		Averaged from local datasets. See general comment.
Azoxystrobin	3.21E-06	kg		Averaged from local datasets. See general comment.
Bifenox	1.58E-06	kg		Averaged from local datasets. See general comment.
Bitertanol	3.53E-08	kg		Averaged from local datasets. See general comment.
Bromoxynil	5.98E-06	kg		Averaged from local datasets. See general comment.
Bromuconazole	1.07E-07	kg		Averaged from local datasets. See general comment.
Cadmium	1.14E-06	kg		Averaged from local datasets. See general comment.
Cadmium, ion	1.21E-08	kg		Averaged from local datasets. See general comment.
Cadmium, ion	6.89E-09	kg		Averaged from local datasets. See general comment.
Carbon dioxide, fossil	0.009788665	kg		Averaged from local datasets. See general comment.
Carfentrazone ethyl ester	3.25E-08	kg		Averaged from local datasets. See general comment.
Chloridazon	9.54E-06	kg		Averaged from local datasets. See general comment.
Chlormequat	4.93E-05	kg		Averaged from local datasets. See general comment.
Chlorpyrifos	1.99E-06	kg		Averaged from local datasets. See general comment.
Chlorsulfuron	1.47E-07	kg		Averaged from local datasets. See general comment.

Choline chloride	2.03E-05	kg		Averaged from local datasets. See general comment.
Chromium	3.92E-06	kg		Averaged from local datasets. See general comment.
Chromium, ion	5.52E-06	kg		Averaged from local datasets. See general comment.
Chromium, ion	7.44E-07	kg		Averaged from local datasets. See general comment.
Clodinafop-propargyl	2.18E-06	kg		Averaged from local datasets. See general comment.
Clopyralid	1.45E-06	kg		Averaged from local datasets. See general comment.
Cloquintocet-mexyl	5.27E-07	kg		Averaged from local datasets. See general comment.
Copper	-1.09E-06	kg		Averaged from local datasets. See general comment.
Copper, ion	8.08E-07	kg		Averaged from local datasets. See general comment.
Copper, ion	5.36E-07	kg		Averaged from local datasets. See general comment.
Cypermethrin	3.88E-07	kg		Averaged from local datasets. See general comment.
Cyproconazole	8.64E-07	kg		Averaged from local datasets. See general comment.
Cyprodinil	1.28E-05	kg		Averaged from local datasets. See general comment.
Deltamethrin	7.49E-08	kg		Averaged from local datasets. See general comment.
Dicamba	1.33E-06	kg		Averaged from local datasets. See general comment.
Diclofop	3.22E-06	kg		Averaged from local datasets. See general comment.
Diclofop-methyl	3.65E-06	kg		Averaged from local datasets. See general comment.
Diflufenican	3.45E-06	kg		Averaged from local datasets. See general comment.
Dimethoate	1.43E-07	kg		Averaged from local datasets. See general comment.
Dinitrogen monoxide	8.93E-04	kg		Averaged from local datasets. See general comment.
Diuron	5.07E-07	kg		Averaged from local datasets. See general comment.
Epoxiconazole	1.22E-06	kg		Averaged from local datasets. See general comment.
Ethephon	1.02E-07	kg		Averaged from local datasets. See general comment.
Fenoxaprop	3.69E-08	kg		Averaged from local datasets. See general comment.

Fenoxaprop ethyl ester	2.68E-07	kg		Averaged from local datasets. See general comment.
Fenpropidin	6.94E-06	kg		Averaged from local datasets. See general comment.
Fenpropimorph	1.30E-06	kg		Averaged from local datasets. See general comment.
Florasulam	9.99E-09	kg		Averaged from local datasets. See general comment.
Flucarbazon sodium salt	9.21E-09	kg		Averaged from local datasets. See general comment.
Fludioxonil	2.25E-07	kg		Averaged from local datasets. See general comment.
Flufenacet	9.56E-07	kg		Averaged from local datasets. See general comment.
Flupyr-sulfuron-methyl	1.43E-08	kg		Averaged from local datasets. See general comment.
Fluroxypyr	6.23E-06	kg		Averaged from local datasets. See general comment.
Flurtamone	9.96E-07	kg		Averaged from local datasets. See general comment.
Glyphosate	3.47E-05	kg		Averaged from local datasets. See general comment.
Imazamox	5.53E-08	kg		Averaged from local datasets. See general comment.
Imidacloprid	1.65E-07	kg		Averaged from local datasets. See general comment.
Iodosulfuron-methyl-sodium	8.93E-09	kg		Averaged from local datasets. See general comment.
Ioxynil	6.10E-06	kg		Averaged from local datasets. See general comment.
Isoproturon	7.75E-06	kg		Averaged from local datasets. See general comment.
Kresoxim-methyl	3.41E-07	kg		Averaged from local datasets. See general comment.
Lambda-cyhalothrin	3.03E-07	kg		Averaged from local datasets. See general comment.
Lead	7.22E-07	kg		Averaged from local datasets. See general comment.
Lead	2.34E-08	kg		Averaged from local datasets. See general comment.
Lead	8.81E-08	kg		Averaged from local datasets. See general comment.
MCPA	1.55E-05	kg		Averaged from local datasets. See general comment.
Mecoprop	8.42E-06	kg		Averaged from local datasets. See general comment.

Mecoprop-P	2.07E-06	kg		Averaged from local datasets. See general comment.
Mefenpyr	5.37E-07	kg		Averaged from local datasets. See general comment.
Mepiquat chloride	1.87E-07	kg		Averaged from local datasets. See general comment.
Mercury	-2.05E-11	kg		Averaged from local datasets. See general comment.
Mercury	6.33E-11	kg		Averaged from local datasets. See general comment.
Mercury	5.00E-11	kg		Averaged from local datasets. See general comment.
Mesosulfuron-methyl (prop)	4.92E-08	kg		Averaged from local datasets. See general comment.
Metaldehyde	6.66E-06	kg		Averaged from local datasets. See general comment.
Metconazole	1.51E-07	kg		Averaged from local datasets. See general comment.
Metosulam	2.82E-08	kg		Averaged from local datasets. See general comment.
Metribuzin	8.48E-07	kg		Averaged from local datasets. See general comment.
Metsulfuron-methyl	1.71E-07	kg		Averaged from local datasets. See general comment.
Nickel	1.45E-06	kg		Averaged from local datasets. See general comment.
Nickel, ion	4.37E-07	kg		Averaged from local datasets. See general comment.
Nitrate	0.020970147	kg		Averaged from local datasets. See general comment.
Nitrogen oxides	1.87E-04	kg		Averaged from local datasets. See general comment.
Parathion	1.16E-06	kg		Averaged from local datasets. See general comment.
Phosphate	3.14E-05	kg		Averaged from local datasets. See general comment.
Phosphate	4.32E-04	kg		Averaged from local datasets. See general comment.
Phosphorus	3.09E-04	kg		Averaged from local datasets. See general comment.
Picloram	1.84E-08	kg		Averaged from local datasets. See general comment.
Picoxystrobin	3.48E-07	kg		Averaged from local datasets. See general comment.
Prochloraz	7.54E-07	kg		Averaged from local datasets. See general comment.
Prohexadione-calcium	1.11E-08	kg		Averaged from local datasets. See general comment.
Propiconazole	4.44E-06	kg		Averaged from local datasets. See general comment.

Propoxycarbazone-sodium (prop)	6.16E-08	kg		Averaged from local datasets. See general comment.
Prosulfuron	9.21E-09	kg		Averaged from local datasets. See general comment.
Pyraclostrobin (prop)	1.36E-06	kg		Averaged from local datasets. See general comment.
Quinoxifen	5.38E-07	kg		Averaged from local datasets. See general comment.
Silthiofam	8.27E-07	kg		Averaged from local datasets. See general comment.
Spiroxamine	3.62E-06	kg		Averaged from local datasets. See general comment.
Sulfosulfuron	2.21E-07	kg		Averaged from local datasets. See general comment.
Tebuconazole	3.56E-06	kg		Averaged from local datasets. See general comment.
Tefluthrin	2.53E-08	kg		Averaged from local datasets. See general comment.
Thifensulfuron-methyl	1.49E-07	kg		Averaged from local datasets. See general comment.
Tralkoxydim	6.45E-08	kg		Averaged from local datasets. See general comment.
Triadimenol	1.26E-07	kg		Averaged from local datasets. See general comment.
Triallate	4.98E-07	kg		Averaged from local datasets. See general comment.
Triasulfuron	1.47E-07	kg		Averaged from local datasets. See general comment.
Tribenuron-methyl	1.70E-07	kg		Averaged from local datasets. See general comment.
Trifloxystrobin	6.85E-07	kg		Averaged from local datasets. See general comment.
Trinexapac-ethyl	9.82E-07	kg		Averaged from local datasets. See general comment.
Water	0.23296976	kg		Calculated value based on literature values and expert opinion. See comments in the parametres' comment field.
Water	0.08707959	kg		Calculated value. See the parameters and their comments to understand the calculation.
Water	0.021769898	kg		Calculated value. See the parameters and their comments to understand the calculation.
wheat grain	1	kg		
Zinc	4.83E-06	kg		Averaged from local datasets. See general comment.

Zinc, ion	3.66E-06	kg		Averaged from local datasets. See general comment.
Zinc, ion	6.57E-07	kg		Averaged from local datasets. See general comment.

Wheat grain processing, dry milling | wheat flour | Cutoff, U – BR

Original process: Wheat grain processing, dry milling | wheat flour | Cutoff, U – RoW

Description: This dataset represents the production of 1 kg of wheat flour for human consumption, and secondary products of wheat bran and wheat screenings for animal feed production from global dry milling practices. The wheat flour represents all milled products intended for human consumption i.e. cake flour, self-raising flour, white bread flour, brown bread flour, whole wheat meal, and semolina. Flours and meals are typically used for baking bread and other baked goods, while semolina the coarse, purified wheat middlings of durum wheat is used mainly in the making of pasta and couscous. The module includes the receiving of wheat and processing thereof through multiple grinding and sieving steps. Activities that have been considered in this dataset are the inputs of wheat, water and electricity.;Boundary with exchanges for wheat grain processing, dry milling, GLO 2017 This activity starts with the wheat received at the gate of the dry milling plant. This activity ends with the delivery of 1 kg of milled wheat products and by-product(s) at the factory gate of the milling plant.

Inputs

Flow	Amount	Unit	Provider	Description
building, multi-storey	0.000009	m3	building construction, multi-storey building, multi-storey Cutoff, U (copy) - BR	Estimation. Not geography specific. Value and comment from "maize grain, feed production, GLO": The typical storage capacity of the cereal silo found in some feed processing centres in Switzerland is 10,000 tonnes, with an effective storage volume of about 80% of the building volume. With an average grain specific weight of 750

				<p>kg/m³, this gives a building volume of about 16,650 m³. Assuming that these feed processing centres process 25,000 tonnes of grain per year, the cereals will be stored for about three months before being processed. The largest feed processing centre in Switzerland (UFA-Biblis) has a feedstuff storage compound of 29,440 m³ (80 m length * 23 m * 16 m height) with an effective storage capacity of 4,140 tonnes (5520 palettes of 750 kg), or about 150 kg/m³ (UFA 2002). This centre processes 275,000 tonnes of concentrate feeds yearly. After processing, the feedstuff must therefore be stored for approx. one week in the processing centre before being sent to the regional storehouse. The average length of storage of the raw materials is set at 3 months in the calculations. The storage volume required was estimated as 1.7 m³/tonne of raw material (grain specific weight 750 kg/m³ and 80% of the building volume used for storage). The lifetime of the storage silo was assumed to be 50 years, the length of the construction phase 2 years. Land use was estimated from the height of Biblis's storage silo (UFA 2002). Taking the height of 16 m, the area used is 0.1 m²/tonne of feedstuff for 3 months.</p>
electricity, low voltage	0.016152	kWh	market group for electricity, low voltage electricity,	Average electricity use of two dry milling facilities in South Africa: a

			low voltage Cutoff, U - BR	combined wheat & maize mill, and a dedicated wheat mill.
industrial machine, heavy, unspecified	0.000015	kg	market for industrial machine, heavy, unspecified industrial machine, heavy, unspecified Cutoff, U - RoW	Estimate from industrial machinery used in "Limestone, crushed, for mill production" (annual production of 195,000 tonnes), which is assumed to provide a good proxy for flour milling. Value adapted on the basis of annual production, which was estimated to be an average of 415,000 tonnes per year, based on the production figures of two dry milling facilities in South Africa. The estimated life span of the machines is 25 years.
Occupation, construction site	0.000002	m ² *a		Estimation. Not geography specific. Value and comment from "maize grain, feed production, GLO": Corresponds to land use Transformation*2 years (the length of the construction phase is 2 years).
Occupation, industrial area, built up	0.000056	m ² *a		Estimation. Not geography specific. Value and comment from "maize grain, feed production, GLO": Corresponds to 0.2m ² /tonne (because the total area occupied as "industrial area" was estimated as twice as high, namely 0.2 m ² /tonne) multiplied by 3 months (because the average length of storage of the raw materials is set at 3 months in the calculations).
tap water	0.000770	kg	market for tap water tap water Cutoff, U - BR	Average water use of two dry milling facilities in South Africa: a combined wheat & maize mill, and a dedicated wheat mill. Water is used to condition the wheat and is all absorbed by the

				grain, i.e. no wastewater is produced (personal communication by mill operator).
Transformation, from unknown	0.000001	m2		Estimation. Not geography specific. Value and comment from "maize grain, feed production, GLO": Corresponds to occupation industrial area/50 years (the lifetime of the storage silo was assumed to be 50 years).
Transformation, to industrial area, built up	0.000001	m2		Estimation. Not geography specific. Value and comment from "maize grain, feed production, GLO": Corresponds to occupation industrial area/50 years (the lifetime of the storage silo was assumed to be 50 years).
transport, freight, lorry, unspecified	0.191400	t*km	market for transport, freight, lorry, unspecified transport, freight, lorry, unspecified Cutoff, U - RoW	Transport distance based on US BTS Commodity Flow Surveys 1993, 1997, 2002, 2007, US Dep. Of Transportation, Bureau of Transportation Statistics. Of the total road transport, 6% is assumed to be by delivery van for goods with a large share of retail sale, and 3% for goods that are mainly sold via wholesale.
wheat grain	1.137322	kg	wheat production wheat grain Cutoff, U (copy) - BR	This figure represents wheat received at the gate of the dry milling plant to produce 1 kg milled wheat products. An average of 2% of wheat received is estimated to be reject material based on data from a single mill (value for combined bran and screenings produced). Maximum permissible levels of deviations (screenings, other grains and gravel, turf etcl) for all grades of wheat is 5%. Reference:

				Department of Agriculture (2016). Regulations relating to the grading, packing and marking of bread wheat intended for sale in the Republic of South Africa. Government gazette, 29 January 20016.
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Outputs

Flow	Amount	Unit	Provider	Description
Water	0.000024	kg		Calculated value: water balance over process. Assumed all water loss from wheat during the grinding process, which produces heat, is lost to air.
wheat flour	1.000000	kg		<i>This product covers all grades of flour from the milling of wheat (cake flour, bread flour, whole wheat meal and semolina). The product fraction is calculated from the annual average output of products from dry milling for human consumption in South Africa reported by SAGIS (South African Grain Information Service) on a monthly basis (July 2015 - June 2016). Essentially all wheat in South Africa is milled to produce products for human consumption (cake flour, self-raising flour, white bread flour, brown bread flour, industrial flour, whole wheat meal and semolina), and bran, sold primarily as an animal feed. Less than 1% of wheat is milled for animal consumption. Reference(s): SAGIS (2016) Maize Products per Month Manufactured - July 2015 to June 2016, South African Grain Information</i>

				Service. Available at: www.sagis.org.za . (Accessed April 2017)
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Beer, regular (4-5° alcohol), at plant (AGB 3.0)

Description: Inventory of AGRIBALYSE v3.0.1, 2020.

This dataset represent the production of one liter of bottled lager beer at pant in France.

The system covers all stages from raw material production and agricultural upstream to brewing process and bottling process (without packaging material) (cradle to gate). It is assumed to take place in France. Consequently, all datasets are chosen for France and Europe, when not available for France.

The downstream stages from plant gate to consumer are out of scope since they are already included in Agribalyse 3.0 database. The following stages are excluded from the system:

- o Packaging material: glass is already included in Agribalyse database,
- o Distribution and consumer transport downstream of the plant: already included in Agribalyse database.
- o Storage and cooling at retail and consumer: already included in Agribalyse database.

The figure represents the system modelling boundaries (exclusions are greyed).

_ Beer recipes and manufacturing processes are very diversified in industrial and craft beer sectors. According to Canadian beverage database, the most consumed beers are lager, with 89,54 % market share during 2010 to 2014 (European Commission, 2018). It is assumed that a regular 4,5° alcohol by volume beer can be represented by lager beers. In this category, 40 % are full grain lager, meaning only malted barley is used as the cereal base, and 60 % are extract lager, which include barley malt extract and other cereals such as corn. Therefore, recipes for each lager beer type are averaged to represent the overall

beer market. Beer recipes are based on lager beers (full grain and extract) from Cambden BRI.

_ For the plant process, data are mainly collected from PEFCR.

_ The malting of barley grain is not included in any barley production dataset. It is also not part of the process at the brewery. Data from FAO gives the specific inventory for malting (FAO, 2009). Malting is supposed to take place in France. French electricity grid mix is considered.

Losses of barley in the malting process are not considered.

_ Along the brewing process, energy as electricity and heat is required for brewing, temperature control during fermentation and bottling. Water is also needed as a recipe input, which is not indicated in the recipe from PEFCR (European Commission, 2018), as well as for cooling after brewing and cleaning equipments. Input data were collected from BREF study (European IPPC Bureau, 2019) and compared to other articles in the table below. Across the studies we consider, only BREF is complete. Moreover, quantities are the largest allowing conservative assumptions. However, data come from a wide range of primary sources geographically as well as temporally. Beer production is taking place in France. Electricity grid mix is adjusted to French context.

Losses of beer in the process are not considered. No water recycling considered.

_Emissions to air and water and solid emissions are investigated in BREF study.

Emissions to air are not evaluated in the study. Apart from emissions from energy production already included in LCA datasets, emissions to air can be related to grain dust during transportation and transfer and to CO₂ emissions during fermentation. They are not quantified since they have negligible environmental and odor impact.

Emissions to water mostly result from organic compound discharged by ingredients during the brewing process. Water content in spent grain, later rejected to wastewater network, account for this organic load. Cleaning products account for lower organic emissions. Because of lack of data, water emissions are not evaluated. They are neglected in this model.

Solid emissions are described for a large-scale brewery in 2002.

_According to Fillaudeau et al., spent grains, yeast surplus and other organic wastes resulting from the brewing process are destined to animal feed (Fillaudeau et al., 2006). In a conservative approach, allocation for outputs are not chosen. Solid emissions are assumed to be treated as municipal solid waste.

According to PEF Guidance on food losses, solid waste treatment is: 50% incineration, 25% composting, and 25% methanization.

Compared to the recipe, grain reject is consistent with the barley malt input. Yeast rehydration can explain a higher reject mass of surplus yeast than dry yeast input.

_Supply of input material : According to PEFCR for beer (European Commission, 2018), ingredient supply is made by Transport, freight, lorry >32 metric ton, EURO4 {RER}| market for| Cut-off, S with a utilization rate of 50%. A 500 km distance is applied to all inputs. Therefore, datasets from Ecoinvent database will not be chosen as ""market for"".

_Solid waste transport : Solid waste at the brewery are managed similarly to our hypotheses in Agribalyse 3.0 database.

Boundary with nature: Unspecified

Generator: Gingko 21 + Blonk Consultants

Inputs

Flow Agribalyse 3.0.1	Flow Ecoinvent 3.6	Amount	Unit	Provider	Description
Biowaste {GLO} treatment of biowaste, municipal incineration - GLO	process-specific burdens, sanitary landfill	0.0732	kg	process-specific burdens, sanitary landfill process-specific burdens, sanitary landfill Cutoff, U - RoW	Organic waste from brewing proces, Assumptions

Biowaste {RoW} treatment of biowaste by anaerobic digestion Cut- off, S - Copied from Ecoinvent	process-specific burdens, sanitary landfill	0.0366	kg	process-specific burdens, sanitary landfill process- specific burdens, sanitary landfill Cutoff, U - RoW	Organic waste from brewing proces, (European IPPC Bureau, 2019)
Biowaste {RoW} treatment of biowaste, industrial composting Cut-off, S - Copied from Ecoinvent	process-specific burdens, sanitary landfill	0.0366	kg	process-specific burdens, sanitary landfill process- specific burdens, sanitary landfill Cutoff, U - RoW	Organic waste from brewing process, Assumptions
Calcium chloride {RER} soda production, solvay process - RER	calcium chloride	6.00E-05	kg	market for calcium chloride calcium chloride Cutoff, U - RoW	Brewing recipe - brewing salts and pH regulators, proxy for calcium sulphate (European Commission, 2018)
Calcium chloride {RER} soda production, solvay process - RER	calcium chloride	5.00E-04	kg	market for calcium chloride calcium chloride Cutoff, U - RoW	Brewing recipe - brewing salts and pH regulators, proxy for brewing salts (European Commission, 2018)
Carbon dioxide, liquid {RER} production Cut- off, S - Copied	carbon dioxide, liquid	1.25E-04	kg	market for carbon dioxide, liquid carbon dioxide, liquid Cutoff, U - RoW	Brewing recipe - hop products (European Commission, 2018)

from Ecoinvent - RER					
Diatomaceous earth, at plant/CH U (ACYVIA)	diatomite	6.60E-04	kg		Brewing recipe - filter aids (European Commission, 2018)
Electricity, medium voltage {FR} market for Cut-off, S - Copied from Ecoinvent - FR	electricity, medium voltage	0.0165	kWh	market group for electricity, medium voltage electricity, medium voltage Cutoff, U - BR	Malting process, (FAO, 2009)
Electricity, medium voltage {FR} market for Cut-off, S - Copied from Ecoinvent - FR	electricity, medium voltage	0.536	kWh	market group for electricity, medium voltage electricity, medium voltage Cutoff, U - BR	Brewing process, (European IPPC Bureau, 2019)
Expanded perlite {RoW} production Cut-off, S - Copied from Ecoinvent	expanded perlite	1.90E-04	kg	expanded perlite production expanded perlite Cutoff, U - RoW	Brewing recipe - filter aids (European Commission, 2018)
Extraction of sugar, from sugar beet, processing/FR U	sugar, from sugarcane	0.009	kg	sugarcane processing, modern annexed plant sugar, from	Brewing recipe - sugars, proxy: barley for high maltose syrup (European Commission, 2018)

				sugarcane Cutoff, U - BR	
Heat, central or small-scale, natural gas {Europe without Switzerland} market for heat, central or small-scale, natural gas Cut-off, S - Copied from Ecoinvent	heat, central or small-scale, natural gas	0.343	MJ	market for heat, central or small-scale, natural gas heat, central or small-scale, natural gas Cutoff, U - RoW	Malting process, (FAO, 2009)
Heat, central or small-scale, natural gas {Europe without Switzerland} market for heat, central or small-scale, natural gas Cut-off, S - Copied from Ecoinvent	heat, central or small-scale, natural gas	1.93	MJ	market for heat, central or small-scale, natural gas heat, central or small-scale, natural gas Cutoff, U - RoW	Brewing process, (European IPPC Bureau, 2019)
Hemp, grain, Champagne, at farm gate/FR U	No matching flows were found. The flow was not included. ³	2.00E-04	kg		Brewing recipe - hop products, proxy for hop pellet (European Commission, 2018)

³ An estimation of GHG emissions related to the beer production conducted through the Agribalyse Database, with CML-IA baseline as the LCIA method, showed that the flows which were not included in the adaption to Ecoinvent have minor effect in the GWP-100a category (check Figure x).

Maize starch, at farm gate/FR U	maize starch	0.012	kg	maize starch production maize starch Cutoff, U - RoW	Brewing recipe - raw cereals, proxy for maize flake (European Commission, 2018)
Nitric acid, without water, in 50% solution state {RER} nitric acid production, product in 50% solution state Cut-off, S - Copied from Ecoinvent - RER	nitric acid, without water, in 50% solution state	0.00205	kg	nitric acid production, product in 50% solution state nitric acid, without water, in 50% solution state Cutoff, U - RoW	Brewing recipe - cleansers (European Commission, 2018)
Peracetic acid, at plant/RER U (ACYVIA)	Peracetic acid	2.00E-05	kg		Brewing recipe - cleansers, proxy for peracetic acid (European Commission, 2018)
Polydimethylsiloxane {GLO} polydimethylsiloxane production Cut-off, S - Copied from Ecoinvent - GLO	polydimethylsiloxane	6.00E-05	kg	polydimethylsiloxane production polydimethylsiloxane Cutoff, U - GLO	Brewing recipe - antifoam (European Commission, 2018)
Polyvinylpolypyrrolidone (PVPP), at plant/RER U (ACYVIA)	No matching flows were found. The flow was not included.	2.00E-05	kg		Brewing recipe - filter aids (European Commission, 2018)
Silica sand {RoW} production Cut-	silica sand	1.20E-05	kg	silica sand production silica sand Cutoff, U - RoW	Brewing recipe - filter aids (European Commission, 2018)

off, S - Copied from Ecoinvent					
Sodium hydroxide, without water, in 50% solution state {GLO} market for Cut-off, S - Copied from Ecoinvent - GLO	sodium hydroxide, without water, in 50% solution state	0.00509	kg	market for sodium hydroxide, without water, in 50% solution state sodium hydroxide, without water, in 50% solution state Cutoff, U - GLO	Brewing recipe - cleansers (European Commission, 2018)
Sodium hypochlorite, without water, in 15% solution state {GLO} market for Cut-off, S - Copied from Ecoinvent - GLO	sodium hypochlorite, without water, in 15% solution state	1.00E-07	kg	market for sodium hypochlorite, without water, in 15% solution state sodium hypochlorite, without water, in 15% solution state Cutoff, U - RoW	Brewing recipe - cleansers (European Commission, 2018)
Steel, chromium steel 18/8 {RER} steel production, converter, chromium steel 18/8 Cut-off, S - Copied from Ecoinvent - RER	steel, chromium steel 18/8	1.00E-06	kg	steel production, electric, chromium steel 18/8 steel, chromium steel 18/8 Cutoff, U - RoW	Brewing recipe - filter aids, proxy for cartridge filters (European Commission, 2018)
Tap water {RER} market group for Cut-off, U -	tap water	0.889	kg	market for tap water tap	Malting process, (FAO, 2009)

Copied from Ecoinvent - RER				water Cutoff, U - BR	
Tap water {RER} market group for Cut-off, U - Copied from Ecoinvent - RER	tap water	6	kg	market for tap water tap water Cutoff, U - BR	Brewing process, (European IPPC Bureau, 2019)
Transport, freight, lorry 16- 32 metric ton, EURO4 {RER} transport, freight, lorry 16-32 metric ton, EURO4 Cut-off, S - Copied from Ecoinvent - RER	transport, freight, lorry 16-32 metric ton, EURO4	0.00264	t*km	market for transport, freight, lorry 16-32 metric ton, EURO4 transport, freight, lorry 16-32 metric ton, EURO4 Cutoff, U - RoW	Transport, solid waste emission from brewery to end of life treatment facility Assumptions
Transport, freight, lorry >32 metric ton, EURO4 {RER} transport, freight, lorry >32 metric ton, EURO4 Cut- off, S - Copied from Ecoinvent - RER	transport, freight, lorry >32 metric ton, EURO4	0.0849	t*km	market for transport, freight, lorry >32 metric ton, EURO4 transport, freight, lorry >32 metric ton, EURO4 Cutoff, U - RoW	Transport, supply of ingredients from production site to brewery (European Commission, 2018)
Transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling {GLO}	transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling	675	kg*km	market for transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a	Transport to distribution, includes mass of packaging material

transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling Cut-off, S - Copied from Ecoinvent - GLO				refrigerant, cooling transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling Cutoff, U - GLO	
Wastewater, average {Europe without Switzerland} market for wastewater, average Cut-off, S - Copied from Ecoinvent	wastewater, average	0.00589	m3	treatment of wastewater, average, capacity 1E9l/year wastewater, average Cutoff, U - RoW	Malting and brewing wastewater, (European IPPC Bureau, 2019)
Wheat starch, from wheat starch extraction, at plant/FR U	No matching flows were found. The flow was not included.	0.012	kg		Brewing recipe - raw cereals, proxy for barley flake (European Commission, 2018)
Winter barley, conventional, malting quality, animal feed, at farm gate/FR U	barley grain, feed	0.127	kg	barley grain, feed production barley grain, feed Cutoff, U (copy) - BR	Brewing process - malted cereals, (European Commission, 2018)
Winter barley, conventional, malting quality,	barley grain, feed	0.009	kg	barley grain, feed production barley grain,	Brewing recipe - sugars, proxy: barley for high maltose

animal feed, at farm gate/FR U				feed Cutoff, U (copy) - BR	syrup (European Commission, 2018)
Yeast, at plant/RER U (ACYVIA)	No matching flows were found. The flow was not included.	1.60E-04	kg		Brewing recipe - processing aids (European Commission, 2018)
Zinc monosulfate {RER} production Cutoff, S - Copied from Ecoinvent - RER	zinc monosulfate	4.00E-07	kg	market for zinc monosulfate zinc monosulfate Cutoff, U - RoW	Brewing recipe - yeast foods (European Commission, 2018)

Outputs

Flow	Flow Ecoinvent 3.6	Amount	Unit	Provider	Description
Beer, regular (4-5° alcohol), at plant/FR U	Beer, regular	1	kg		Production of 1 liter of bottled beer (density=1) at plant. Bottle packaging is not included

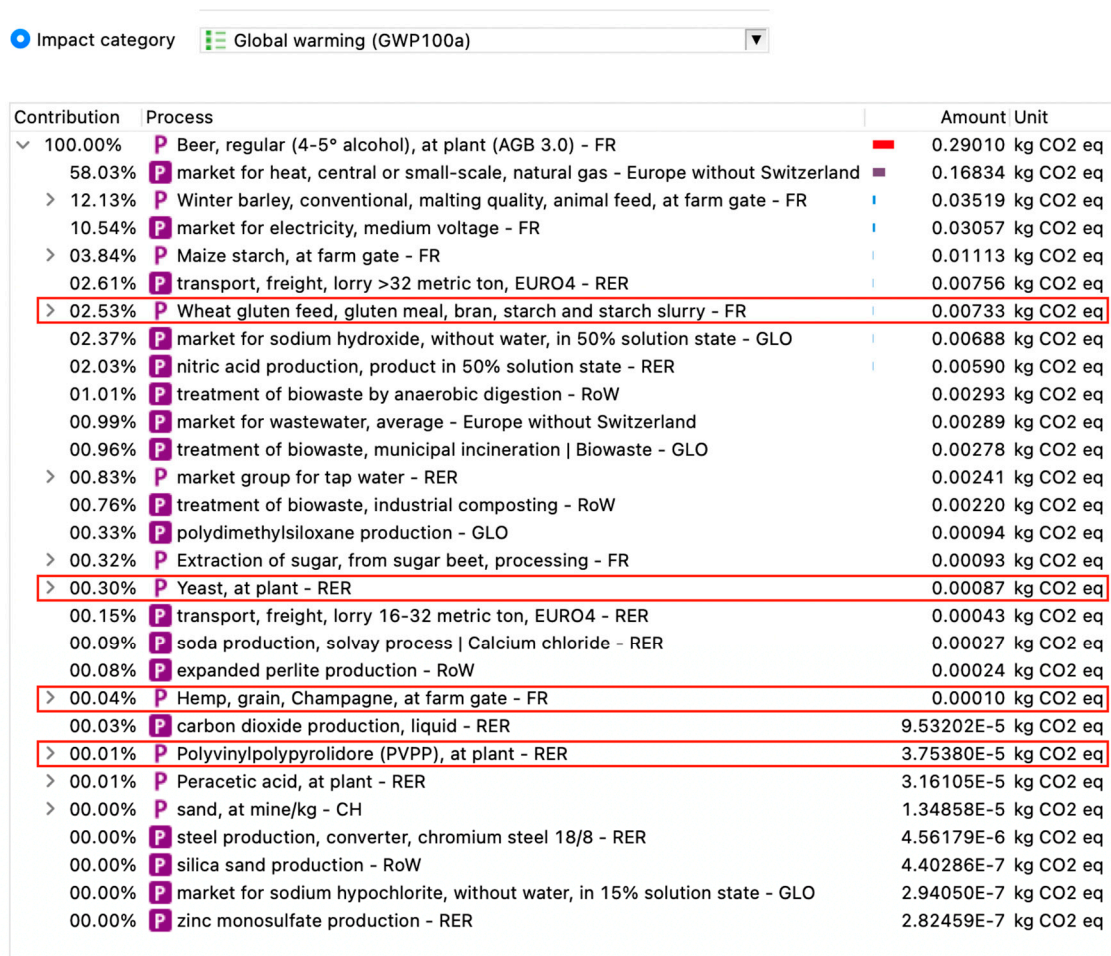


Figure 1: Contribution tree for the process Beer, regular (4-5° alcohol), at plant (AGB 3.0). Calculated in OpenLCA with the Agribalyse 3.0.1 database.

Orange juice; industrial production; at plant; NFC; 1L (AGB 3.0)

Description: This process describe the production of orange juice (not concentrated) from oranges. Energy use for bottling and for concentrating juice are not accounted for. For additional information, please refer to the Agribalyse 3.0 methodological report. Boundary with nature: Unspecified

Record: Aurore Wermeille - Sayari

aurore.wermeille@sayari.co

Generator: Sayari - Blonk Consultants

Inputs

Flow Agribalyse 3.0.1	Flow Ecoinvent 3.6	Amount	Unit	Provider	Description
Biowaste {RoW} market for Cut-off, S - Copied from Ecoinvent	biowaste	1.29	kg	market for biowaste biowaste Cutoff, U - RoW	
Electricity, medium voltage {FR} market for Cut-off, S - Copied from Ecoinvent - FR	electricity, medium voltage	0.321	MJ	market group for electricity, medium voltage electricity, medium voltage Cutoff, U - BR	
Generic detergent- disinfectant, at plant/RER U (ACYVIA)	Generic detergent- disinfectant, at plant	0.0089	kg	Generic detergent- disinfectant, at plant - BR	
Heat, district or industrial, natural gas {Europe without Switzerland} heat production, natural gas, at industrial furnace low-NOx >100kW Cut- off, S - Copied from Ecoinvent	heat, district or industrial, natural gas	0.0174	MJ	market for heat, district or industrial, natural gas heat, district or industrial, natural gas Cutoff, U - RoW	
Nitric acid, without water, in 50% solution state {GLO} market for Cut-off, S - Copied from Ecoinvent - GLO	nitric acid, without water, in 50% solution state	3.00E- 04	kg	market for nitric acid, without water, in 50% solution state nitric acid, without water, in 50% solution state Cutoff, U - RoW	

Orange, consumption mix/FR U	orange, processing grade	2.29	kg	orange production, processing grade orange, processing grade Cutoff, U (copy) - BR	
Tap water {GLO} market group for Cut-off, S - Copied from Ecoinvent - GLO	tap water	5.1	kg	market for tap water tap water Cutoff, U - BR	
Transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling {GLO} transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling Cut-off, S - Copied from Ecoinvent - GLO	Transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling	495	kg*km	market for transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling Cutoff, U - GLO	
Treatment, sewage, to wastewater treatment/CH U (ACYVIA)	wastewater, average	0.0051	m3	treatment of wastewater, average, capacity 1E9l/year wastewater, average Cutoff, U - RoW	

Outputs

Flow Agribalyse 3.0.1	Flow Ecoinvent 3.6	Amount	Unit	Provider	Description
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Orange juice; industrial production; at plant; NFC; 1L/FR U		1	kg		
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Generic detergent-disinfectant, at plant

Inputs

Flow Agribalyse 3.0.1	Flow Ecoinvent 3.6	Amount	Unit	Provider	Description
Acetic acid, without water, in 98% solution state {GLO} market for Cut-off, S - Copied from Ecoinvent - GLO	acetic acid, without water, in 98% solution state	0.07	kg	market for acetic acid, without water, in 98% solution state acetic acid, without water, in 98% solution state Cutoff, U - GLO	
Chemical, organic {GLO} market for Cut-off, S - Copied from Ecoinvent - GLO	Chemical, organic	0.05	kg	market for chemical, organic chemical, organic Cutoff, U - GLO	

Hydrogen peroxide, without water, in 50% solution state {GLO} market for Cut-off, S - Copied from Ecoinvent - GLO	Hydrogen peroxide, without water, in 50% solution state	0.14	kg	market for hydrogen peroxide, without water, in 50% solution state hydrogen peroxide, without water, in 50% solution state Cutoff, U - RoW	
Water, deionised, from tap water, at user {Europe without Switzerland} market for water, deionised, fro'm tap water, at user Cut-off, S - Copied from Ecoinvent	Water, deionised	0.74	kg	market for water, deionised water, deionised Cutoff, U - RoW	

Outputs

Flow Agribalyse 3.0.1	Flow Ecoinvent 3.6	Amount	Unit	Provider	Description
Generic detergent-disinfectant, at plant/RER U (ACYVIA)	Generic detergent-disinfectant, at plant	1	kg		

**Cola, with sugar and artificial sweetener(s), processed in FR | Chilled
| PET | at distribution**

Description: Inventory of AGRIBALYSE v3.0.1, 2020

This database has been produced as part of AGRIBALYSE program lead by ADEME and INRAE since 2009. It contains agricultural and food products produced and/or consumed in France. It follows CIQUAL nomenclature, the French nutritional database. AGRIBALYSEv3.0 is built upon previous work and datasets, in particular AGRIBALYSE v1.3 and v1.4 (French agricultural products); ACYVIA (food transformation), Ecoinvent v3.5 (imported products + non-food-datasets) and WFLDB v3.1 (imported products). Methodology principles follow the key international guidelines as much as possible (ISO, LEAP, PEF). All details and documentation available on www.agribalyse.fr<<http://www.agribalyse.fr>>.

Propriété : ADEME

Générateur : Gingko 21, Sayari, Blonk Consultants.

Vérificateurs : RIVM, GreenDelta, Koch Consulting.

Property rights : OpenData, licence ""Ecolab"".

Contact : agribalyse@ademe.fr

Status: Finished

Boundary with nature: Unspecified

Inputs

Flow Agribalyse 3.0.4	Flow Ecoinvent 3.6	Amount	Unit	Provider	Description
Extrusion of plastic sheets and thermoforming, inline {FR} processing Cut-off,	extrusion of plastic sheets and thermoforming, inline	0.05	kg	extrusion of plastic sheets and thermoforming, inline extrusion of plastic sheets	Extrusion of plastic packaging material

S - Copied from Ecoinvent - FR				and thermoforming, inline Cutoff, U - RoW	
Impact extrusion of aluminium, deformation stroke {RER} processing Cut-off, S - Copied from Ecoinvent - RER	Impact extrusion of aluminium, deformation stroke	0.05	kg	impact extrusion of aluminium, deformation stroke impact extrusion of aluminium, deformation stroke Cutoff, U - RoW	Extrusion of aluminium packaging material
Impact extrusion of steel, cold, deformation stroke {RER} processing Cut-off, S - Copied from Ecoinvent - RER	Impact extrusion of steel, cold, deformation stroke	0.05	kg	impact extrusion of steel, cold, deformation stroke impact extrusion of steel, cold, deformation stroke Cutoff, U - RoW	Extrusion of steel packaging material
Lemonade, with sugar, at plant/FR U	Lemonade, with sugar	1	kg	Lemonade, with sugar, at plant - BR	No losses assumed at packaging
Polyethylene terephthalate, granulate, bottle grade {RER} production Cut-off, S - Copied from Ecoinvent - RER	Polyethylene terephthalate, granulate, bottle grade	0.05	kg	polyethylene terephthalate, granulate, bottle grade, recycled to generic market for bottle grade PET granulate polyethylene terephthalate,	PET for packaging material

				granulate, bottle grade Cutoff, U - CH	
Transport, freight train {RER} market group for transport, freight train Cutoff, S - Copied from Ecoinvent - RER	Transport, freight train	14	kg*km	market for transport, freight train transport, freight train Cutoff, U - RoW	Transport of all packaging materials (39 km for glass, 280 km for all other materials), based on PEF guidance document
Transport, freight, inland waterways, barge {RER} processing - RER	Transport, freight, inland waterways, barge	18	kg*km	market for transport, freight, inland waterways, barge transport, freight, inland waterways, barge Cutoff, U - RoW	Transport of all packaging materials (87 km for glass, 360 km for all other materials), based on PEF guidance document
Transport, freight, lorry 16-32 metric ton, euro6 {RER} market for transport, freight, lorry 16-32 metric ton, EURO6 Cutoff, S - Copied from Ecoinvent - RER	transport, freight, lorry 16-32 metric ton, EURO6	11.5	kg*km	market for transport, freight, lorry 16-32 metric ton, EURO6 transport, freight, lorry 16-32 metric ton, EURO6 Cutoff, U - RoW	Transport of all packaging materials (350 km for glass, 230 km for all other materials), based on PEF guidance document

Transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling {GLO} transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling Cut-off, S - Copied from Ecoinvent - GLO	Transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling	472.5	kg*km	market for transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling Cutoff, U - GLO	Transport to distribution, includes mass of packaging material
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Outputs

Flow Agribalyse 3.0.4	Flow Ecoinvent 3.6	Amount	Unit	Provider	Description
Cola, with sugar and artificial sweetener(s), processed in FR Chilled PET at packaging/FR		1	kg		

Lemonade, with sugar, at plant

Inputs

Flow Agrbalyse 3.0.1	Flow Ecoinvent 3.6	Amount	Unit	Provider	Description
Lemon juice, pure juice, at plant/FR U	Orange juice; industrial production	0.127	kg	Orange juice; industrial production - BR	
Water, municipal/FR U	tap water	0.779	kg	market for tap water tap water Cutoff, U - BR	
White sugar, production, at plant/FR U	sugar, from sugarcane	0.0866	kg	sugarcane processing, modern annexed plant sugar, from sugarcane Cutoff, U - BR	

Outputs

Flow Agrbalyse 3.0.1	Flow Ecoinvent 3.6	Amount	Unit	Provider	Description
Lemonade, with sugar, at plant/FR U		1	kg		The CIQUAL food item 'Lemonade, with sugar' matches with a recipe from ANSES.

Bolognese-style pasta (spaghetti, tagliatelle...), at plant

Description: Inventory of AGRIBALYSE v3.0.1, 2020.

The CIQUAL food item 'Bolognese-style pasta (spaghetti, tagliatelle...)' matches with a recipe from ANSES. Boundary with nature: Unspecified

Inputs

Flow Agribalyse	Flow Ecoinvent	Amount	Unit	Provider	Description
Butter, unsalted, at dairy/FR U	butter, from cow milk	0.0262	kg	butter production, from cow milk butter, from cow milk Cutoff, U (copy) - BR	
Carrot, peeled, at processing/FR U	carrot	0.0237	kg	carrot production carrot Cutoff, U (copy) - BR	
Cooking, industrial, 1kg of cooked product/ FR U	Gas boiling, industrial, 1kg of boiled product (created)	1	kg	Gas boiling, industrial, 1kg of boiled product, for boiling - BR (created)	
Emmental cheese, from cow's milk, at plant/FR U	cheese, from cow milk, fresh, unripened	0.0786	kg	cheese production, soft, from cow milk cheese, from cow milk, fresh, unripened Cutoff, U (copy) - BR	
Ground beef, fresh, for processing/FR U	cattle for slaughtering, live weight	0.087	kg	market for cattle for slaughtering, live weight cattle for slaughtering, live weight Cutoff, U - BR	

Olive oil, at plant/FR U	soybean oil, refined	0.0101	kg	soybean oil refinery operation soybean oil, refined Cutoff, U (copy, IGES) - BR	
Onions, peeled, at processing/FR U	onion	0.0223	kg	onion production onion Cutoff, U (copy) - BR	
Pasta, dried, from durum wheat, at plant/FR U	Pasta, dried, from durum wheat (created)	0.472	kg	Pasta, dried, from durum wheat, at plant - BR (created)	
Semi-skimmed milk, at plant/FR U	skimmed milk, from cow milk	0.137	kg	butter production, from cream, from cow milk skimmed milk, from cow milk Cutoff, U (copy) - BR	
Tomato, for processing, peeled, at plant/FR U	tomato, fresh grade	0.134	kg	tomato production, fresh grade, open field tomato, fresh grade Cutoff, U (copy) - BR	
Transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling {GLO} transport, freight, lorry with	Transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling	472.5	kg*km	market for transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant,	Transport to distribution, includes mass of packaging material

refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling Cut-off, S - Copied from Ecoinvent - GLO				cooling transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling Cutoff, U - GLO	
Water, municipal/FR U	tap water	0.243	kg	market for tap water tap water Cutoff, U - BR	

Outputs

Flow Agribalyse	Flow Ecoinvent	Amount	Unit	Provider	Description
<i>Bolognese-style pasta (spaghetti, tagliatelle...), at plant/FR U</i>		1	kg		<i>The CIQUAL food item 'Bolognese-style pasta (spaghetti, tagliatelle...)' matches with a recipe from ANSES.</i>
Water	water	0.287	kg		Water evaporated

Durum wheat, semolina, at plant (WFLDB 3.1)

Description: Included processes: This multi-output process covers the production of durum wheat semolina and co-products (mainly bran). The inventory includes the inputs of wheat, energy, water and land occupied by the factory. Transport of wheat to the factory is

included. Wastes (losses) composting is considered (empty ""dummy"" dataset for composting because of the cut-off allocation method). Packaging is not included.

Remark: The functional unit is the production of 1 kg of durum wheat semolina. The production system is based on an Italian mill producing 68'000 tonnes semolina/year. Allocation between co-products is based on their economical value with the following allocation factors:

- semolina: 88.6%
- co-products (bran): 11.4%

PEF-Quality: data quality rating (DQR) = 2.2 (i.e. good quality)

Boundary with nature: Unspecified

Record: Data entry by: Cécile Guignard

Telephone: 0041 21 693 91 92; E-mail: cecile.guignard@quantis-intl.com; Company: Quantis; Country: CH

Generator: Generator/publicator: Quantis, WFLDB team

Telephone: 0041 21 693 91 92; E-mail: xavier.bengoa@quantis-intl.com; Company: Quantis; Country: CH

Inputs

Flow Agribalyse	Flow Ecoinvent	Amount	Unit	Provider	Description
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Biowaste {CH} treatment of biowaste, industrial composting - CH	biowaste	0.014705882	kg	treatment of biowaste, industrial composting biowaste Cutoff, U - RoW	(1,4,3,1,1,5)
Building, hall {CH} construction Cut-off, S - Copied from Ecoinvent - CH	building, hall	8.38235E-05	m2	building construction, hall building, hall Cutoff, U - RoW	(5,4,3,1,4,na) Infrastructure: size of the building assumed to correspond to the industrial area, lifetime: 50 years
Electricity, low voltage {RER} market group for Cut-off, S - Copied from Ecoinvent - RER	Electricity, low voltage	0.000852941	MWh	market group for electricity, low voltage electricity, low voltage Cutoff, U - BR	(1,4,3,1,1,5)
Heat, central or small- scale, natural gas {Europe without Switzerland} heat production, natural gas, at boiler modulating <100kW Cut-off, S -	Heat, central or small-scale, natural gas	0.114705882	MJ	heat production, natural gas, at boiler modulating <100kW heat, central or small- scale, natural gas Cutoff, U - RoW	(1,4,3,1,1,5)

Copied from Ecoinvent					
Occupation, industrial area, built up	Occupation, industrial area, built up	0.004191176	m2*a		(1,4,3,1,1,5)
Spring wheat grain, at farm (WFLDB 3.1)/CA U	wheat grain	0.001323529	t	wheat production wheat grain Cutoff, U (copy) - BR	(1,4,3,1,1,5)
Tap water {RER} market group for Cut-off, U - Copied from Ecoinvent - RER	tap water	0.220588235	kg	market for tap water tap water Cutoff, U - BR	(1,4,3,1,1,5)
Transport, freight, lorry 16-32 metric ton, EURO4 {RER} transport, freight, lorry 16-32 metric ton, EURO4 Cut-off, S - Copied from	Transport, freight, lorry 16-32 metric ton, EURO4	0.066176471	t*km	market for transport, freight, lorry 16-32 metric ton, EURO4 transport, freight, lorry 16-32 metric ton, EURO4	(1,4,3,1,1,5)

Ecoinvent - RER				Cutoff, U - RoW	
Wastewater, average {CH} treatment of, capacity 1.1E10/year Cut-off, S - Copied from Ecoinvent - CH	Wastewater, average	0.000193676	m3	treatment of wastewater, average, capacity 1E9/year wastewater, average Cutoff, U - RoW	Water released to treatment: 87.8% considered by default for food transformation, as per WFLDB Methodological Guidelines

Outputs

Flow Agribalyse	Flow Ecoinvent	Amount	Unit	Provider	Description
Durum wheat, bran, at plant (WFLDB 3.1)/GLO U		0.308823529	kg		Data based on Bevilacqua 2007. Durum wheat semolina production in a mill producing 67'000 tonnes semolina/year. 9 tonnes durum wheat gives 6.8 tonnes semolina and 2.1 tonnes co-products (mainly bran) Included steps are: stocking (in silos), cleaning (wheat separated from extraneous materials), conditioning (water addition), grinding, sifting (classification: gives 76% semolina, 24%

					subproducts). Subproducts are used for cattle feed. Price of wheat bran based on alibaba.com, accessed May 2015, 10 first price data considered: 164 EUR/tonne
<i>Durum wheat, semolina, at plant (WFLDB 3.1)/GLO U</i>		1	kg		<i>Data based on Bevilacqua 2007. Durum wheat semolina production in a mill producing 68'000 tonnes semolina/year. 9 tonnes durum wheat gives 6.8 tonnes semolina and 2.1 tonnes co-products (mainly bran) Included steps are: stocking (in silos), cleaning (wheat separated from extraneous materials), conditioning (water addition), grinding, sifting (classification: gives 76% semolina, 24% subproducts). Subproducts are used for cattle feed. Price of durum wheat semolina based on alibaba.com, accessed May 2015, 10 first price data considered: 393 EUR/tonne</i>
Water		0.026911765	kg		Water evaporated: 12.2% considered by default for food transformation, as per WFLDB Methodological Guidelines
Water, GLO		0.000193676	m3		Water released after treatment: 87.8% considered by default for food transformation, as per WFLDB Methodological Guidelines Note: ecoinvent 2.2

					processes for WWT do not include the water effluent.
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Pasta, dried, from durum wheat, at plant

Description: Included processes: This process covers the production of dried pasta from durum wheat. The inventory includes the inputs of durum wheat semolina, energy, water and land occupied by the factory. Transport of durum wheat semolina to the factory is included. Wastes (losses) composting is considered (empty ""dummy"" dataset for composting because of the cut-off allocation method). Packaging is not included.

Remark: The functional unit is the production of 1 kg of durum wheat pasta, unpacked. The production system is based on an Italian factory producing 365'000 tonnes pasta/year.

PEF-Quality: data quality rating (DQR) = 2.2 (i.e. good quality)

Boundary with nature: Unspecified

Record: Data entry by: Cécile Guignard

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Generator: Generator/publicator: Quantis, WFLDB team

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Transport data: process “Dried pasta, cooked, unsalted, processed in FR | Chilled | PP | at distribution”.

Inputs

Flow Agribalyse	Flow Ecoinvent	Amount	Unit	Provider	Description
Biowaste {CH} treatment of biowaste, industrial composting - CH	biowaste	0.01	kg	treatment of biowaste, industrial composting biowaste Cutoff, U - RoW	(1,4,3,1,1,5)
Building, hall {CH} construction Cut-off, S - Copied from Ecoinvent - CH	Building, hall	0.00003	m2	building construction, hall building, hall Cutoff, U - RoW	(5,4,3,1,4,na) Infrastructure: size of the building assumed to correspond to the industrial area, lifetime: 50 years
Durum wheat, semolina, at plant (WFLDB 3.1)/GLO U	Durum wheat, semolina (created)	1.01	kg	Durum wheat, semolina, at plant (WFLDB 3.1) - BR (created)	(1,4,3,1,1,5)
Electricity, low voltage {RER} market group for Cut-off, S - Copied from Ecoinvent - RER	Electricity, low voltage	0.16	kWh	market group for electricity, low voltage electricity, low voltage Cutoff, U - BR	(1,4,3,1,1,5) 40 kWh for services and 120 for processing
Heat, central or small-scale, natural gas {Europe without Switzerland} heat production, natural gas, at boiler modulating <100kW Cut-off,	Heat, central or small-scale, natural gas	1.148	MJ	heat production, natural gas, at boiler modulating <100kW heat, central or small- scale, natural gas Cutoff, U - RoW	(1,4,3,1,1,5) 136 MJ heat gas for services and 1012 for drying

S - Copied from Ecoinvent					
Heat, central or small-scale, other than natural gas {CH} heat production, light fuel oil, at boiler 100kW, non-modulating Cut-off, S - Copied from Ecoinvent - CH	Heat, central or small-scale, other than natural gas	0.7	MJ	heat production, light fuel oil, at boiler 100kW, non-modulating heat, central or small-scale, other than natural gas Cutoff, U - RoW	(1,4,3,1,1,5) Drying
Occupation, industrial area, built up	Occupation, industrial area, built up	0.0015	m2*a		(1,4,3,1,1,5)
Occupation, traffic area	Occupation, traffic area	0.0002	m2*a		(1,4,3,1,1,5)
Tap water {RER} market group for Cut-off, U - Copied from Ecoinvent - RER	Tap water	0.31	kg	market for tap water tap water Cutoff, U - BR	(1,4,3,1,1,5)
Transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling {GLO} transport, freight, lorry with	Transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling	472.5	kg*km	market for transport, freight, lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling transport, freight,	Transport to distribution, includes mass of packaging material

refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling Cut-off, S - Copied from Ecoinvent - GLO				lorry with refrigeration machine, 7.5-16 ton, EURO5, R134a refrigerant, cooling Cutoff, U - GLO	
Transport, freight, lorry 16-32 metric ton, EURO4 {RER} transport, freight, lorry 16-32 metric ton, EURO4 Cut-off, S - Copied from Ecoinvent - RER	Transport, freight, lorry 16-32 metric ton, EURO4	0.101	t*km	market for transport, freight, lorry 16-32 metric ton, EURO4 transport, freight, lorry 16-32 metric ton, EURO4 Cutoff, U - RoW	(1,4,3,1,1,5)
Wastewater, average {CH} treatment of, capacity 1.1E10l/year Cut-off, S - Copied from Ecoinvent - CH	Wastewater, average	0.00027218	m3	treatment of wastewater, average, capacity 1E9l/year wastewater, average Cutoff, U - RoW	Water released to treatment: 87.8% considered by default for food transformation, as per WFLDB Methodological Guidelines

Outputs

Flow Agribalyse	Flow Ecoinvent	Amount	Unit	Provider	Description
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Pasta, dried, from durum wheat, at plant (WFLDB 3.1)/GLO U		1	kg		Process based on Bevilacqua 2007. Durum wheat pasta produced in integrated process plant producing 1000 tonnes pasta/day. Included steps: semolina stocking (in silos), dosing (water addition), kneading (in vacuum condition), bronze drawing, drying, packing, stocking (warehouse).
Water		0.03782	kg		Water evaporated: 12.2% considered by default for food transformation, as per WFLDB Methodological Guidelines
Water, GLO		0.00027218	m3		Water released after treatment: 87.8% considered by default for food transformation, as per WFLDB Methodological Guidelines Note:

					ecoinvent 2.2 processes for WWT do not include the water effluent.
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Gas boiling, industrial, 1kg of boiled product, for boiling

Description: Boundary with nature: Unspecified

Inputs

Flow Agribalyse	Flow Ecoinvent	Amount	Unit	Provider	Description
Heating, industrial, 1kg of gas heated product, for gas boiling/ FR U	Heat, central or small-scale, natural gas	3.77	MJ	heat production, natural gas, at boiler modulating <100kW heat, central or small-scale, natural gas Cutoff, U - RoW	FSTC (1999), CEN (2005), Marti et al (2013), manufacturer's specification (2014)
Tap water {Europe without Switzerland} market for Cutoff, S - Copied from Ecoinvent	tap water	4.44	kg	market for tap water tap water Cutoff, U - BR	Manufacturer's specification
Wastewater, average {Europe without Switzerland} market for wastewater, average Cut-	Wastewater, average	2.01	l	market for wastewater, average wastewater, average Cutoff, U - RoW	Marti et al

off, S - Copied from Ecoinvent					
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Outputs

Flow Agribalyse	Flow Ecoinvent	Amount	Unit	Provider	Description
BOD5, Biological Oxygen Demand		0.6	g		Regolamento per la semplificazione di adempimenti amministrativi in materia ambientale gravanti sulle imprese, 2011
Gas boiling, industrial, 1kg of boiled product, for boiling/ FR U		1	kg		Data from Evaluation of environmental impacts in the catering sector, the case of pasta, Fusia, Guidetta, Azapagicb et al, 2014 - Italy
Water		0.18	kg		Article calculations

G. Food items without available LCA inventories

Food group	Food items (in Portuguese) ⁴
Vegetables	<i>Cogumelo em conserva (25.5g, 0.001%); Cogumelo in natura (15g, 0.001%).</i>
Bread and bakery products	<i>Pão doce (1275g, 0.031%); Rosca doce (1200g, 0.031%); Panetone (540g, 0.015%); Pão de leite (350g, 0.009%); Pão doce com recheio (250.8g, 0.006%); Pão de mel (138.65g, 0.003%); Pão doce sem recheio (50g, 0.001%); Bolo de chocolate (3275g, 0.064%); Bolo de milho (3060g, 0.082%); Bolo de trigo (2340g, 0.043%); Bolo simples (1980g, 0.041%); Bolo de cenoura (1200g, 0.023%); Bolo de laranja (1140g, 0.033%); Bolo de mandioca (1040g, 0.023%); Bolo doce com recheio e cobertura (480g, 0.011%); Bolo de banana (490g, 0.011%); Bolo de fubá (480g, 0.011%); Bolo de tapioca (560g, 0.013%); Bolo de coco (360g, 0.01%); Bolo de aipim (320g, 0.006%); Bolo de limão (300g, 0.013%); Filhos (bolinho de farinha de trigo e ovos) (340g, 0.007%); Bolo de chocolate com recheio e cobertura (120g, 0.003%); Bolo de cara (80g, 0.002%); Bolo de arroz (60g, 0.002%); Bolo de cenoura sem recheio com cobertura (540g, 0.026%); Tortas doces de qualquer sabor (552.5g, 0.015%); Biscoito doce (5888g, 0.131%); Bolacha doce (675g, 0.016%); Rosquinha doce (645g, 0.018%); Broa (170g, 0.008%); Biscoito salgado (6444g, 0.148%); Bolacha salgada (2112.5g, 0.041%); Biscoito de polvilho (636g, 0.016%); Biscoito não especificado (215g, 0.006%); Biscoito salgado integral (25g, 0.005%); Biscoito recheado (1906g, 0.051%); Bolacha recheada (265g, 0.007%); Salgadinho de milho (tipo doritos, fandangos, cheetos) (764g, 0.022%); Salgadinho batata chips (tipo ruffles) (192g, 0.005%); Chips (salgadinhos) (25g, 0.001%); Biscoito waffer / wafer light (320g, 0.006%); Bolo diet simples (60g, 0.012%); Bolacha salgada light (100g, 0.003%); Pão integral light (23g, 0.001%).</i>
Sweets	<i>Barra de chocolate (1026.3g, 0.023%); Brigadeiro (530g, 0.012%); Chocolate (437.6g, 0.015%); Bombom de qualquer marca (220g, 0.006%); Ovo de pascoa (177.6g, 0.003%); Tablete de chocolate (126g, 0.004%); Chocolate, tablete não especificado (69.3g, 0.002%); Confete (45g, 0.001%); Chocolate, tablete, ao leite (25.2g, 0.001%); Chocolate, tablete, branco (12.6g, 0%);</i>

⁴ In parentheses we present the sample's total consumption (g) and the percentual of total food consumed in Brasília, respectively. These food items account for 3.601% of total food consumed in Brasília.

	<p><i>Chocolate, tablete, meio amargo (12.6g, 0%); Chocolate, tablete, ao leite, recheado (6.3g, 0%); Achocolatado em po (822g, 0.019%); Canjica (950g, 0.033%); Pudim de leite (520g, 0.011%); Cuscuz com leite (2041.5g, 0.035%); Mousse (1010g, 0.026%); Doce de leite (1030.5g, 0.023%); Milk shake (600g, 0.025%); Pudim de qualquer sabor (260g, 0.004%); Curau de milho (460g, 0.013%); Chande de qualquer sabor (220g, 0.004%); Arroz-doce (280g, 0.005%); Leite condensado (122g, 0.003%); Pasta de amendoim (150g, 0.003%); Doce de amendoim (170g, 0.003%); Pacoca (62g, 0.001%); Pacoquinha de amendoim (30g, 0.001%); Goiabada (500g, 0.012%); Doce de frutas em pasta de qualquer sabor (360g, 0.028%); Banana flambada (120g, 0.002%); Doce de frutas em calda de qualquer sabor (105g, 0.002%); Geleia de frutas de qualquer marca ou sabor (102.5g, 0.001%); Sorvete de qualquer sabor industrializado (3378g, 0.114%); Din din (660g, 0.015%); Sorvete de casquinha / cone (404g, 0.01%); Picole de qualquer sabor industrializado (260g, 0.006%); Sorvete à base de iogurte (84g, 0.003%); Sorvete sundae (84g, 0.002%); Mel (58g, 0.001%); Adocante artificial (181g, 0.005%); Gelatina de qualquer sabor (1432.5g, 0.03%); Bala (765g, 0.025%); Tapioca doce recheada (630g, 0.011%); Gemada (400g, 0.01%); Pizza doce de qualquer sabor (300g, 0.007%); Jujuba (400g, 0.011%); Pave de qualquer sabor (85g, 0.001%); Doce de abobora (332g, 0.006%); Barra de cereais (275g, 0.005%); Pirulito (175g, 0.004%); Crepe / panqueca de fruta com Açúcar e canela (160g, 0.003%); Cocada (140g, 0.001%); Geleia de mocoto (136g, 0.002%); Bala de goma (5g, 0%); Marshmallow (80g, 0.001%); Crepe / panqueca de geleia (80g, 0.005%); Churro (59g, 0.012%); Barra de cereais doce (25g, 0%); Pastel com recheio doce (25g, 0.001%); Bala de fruta (20g, 0%); Chicletes (15g, 0%); Doce de frutas em barra ou pasta light (60g, 0.012%); Geleia diet (37.5g, 0.001%).</i></p>
Fats and oils	<p><i>Margarina com ou sem sal (7808.5g, 0.193%); Maionese (molho) (1011.6g, 0.025%); Margarina light (5g, 0%).</i></p>
Beverages	<p><i>Bebida alcoolica (1200g, 0.021%); Cachaca (300g, 0.005%); Caipirinha (500g, 0.011%); Batida de qualquer sabor (300g, 0.011%); Vinho (2070g, 0.069%); Caldo de cana (2200g, 0.083%); Energetico (946g, 0.015%); Bebida energetica (500g, 0.01%); Bebida isotonica (240g, 0.007%).</i></p>

Snack foods	<p>Pão de queijo (11540g, 0.317%); Tapioca salgada recheada (2048.5g, 0.07%); Salgadinho (1435g, 0.036%); Tapioca recheada com queijo (1546.9g, 0.053%); Tapioca recheio não-especificado (1440g, 0.023%); Pastel (queijo, carne, palmito, etc) (1136g, 0.032%); Enroladinho (351g, 0.01%); Tranca salgada recheada (360g, 0.009%); Tapioca recheada com carne e queijo (241g, 0.016%); Rosca recheada (240g, 0.005%); Rissolle / rizole (queijo, carne, camarao, etc) (95g, 0.003%); Empada (queijo, carne, camarao, etc) (110g, 0.004%); Pastel de forno/ pastel assado (queijo, carne, palmito, etc) (125g, 0.004%); Mini pastel (96g, 0.002%); Croissant com recheio salgado (80g, 0.002%); Esfirra (80g, 0.001%); Bolinho de aipim (45g, 0.001%); Cachorro quente (4125g, 0.107%); Misto quente ou frio (3973.7g, 0.116%); Pão com queijo (3950g, 0.101%); Hamburguer (sanduiche) (3250g, 0.083%); Pão com mortadela (3050g, 0.075%); Pão com ovo (3012.5g, 0.078%); Pão com queijo e presunto (1965.625g, 0.056%); Wrap de carne (1540g, 0.033%); Sanduiche natural (1320g, 0.044%); Sanduiche de carne assada (140g, 0.005%); Sanduiche de queijo prato com presunto (450g, 0.011%); Sanduiche de queijo (480g, 0.016%); Pão com presunto (360g, 0.009%); Pão com carne assada (420g, 0.012%); Pão com salame (220g, 0.004%); Sanduiche de atum (300g, 0.01%); Sanduiche de file (140g, 0.007%); Pão com peito de peru (252g, 0.006%); X-bacon (220g, 0.012%); Sanduiche bauru (185g, 0.005%); Wrap frango ou galinha (181.5g, 0.005%); Sanduiche de presunto (180g, 0.004%); Sanduiche de mortadela (180g, 0.004%); Pão com rosbife (140g, 0.007%); Americano (135g, 0.003%); Cachorro quente completo (125g, 0%); Sanduiche de queijo minas (120g, 0.004%); Sanduiche de queijo prato (90g, 0.003%); Sanduiche de peito de peru (84g, 0.005%); Queijo quente (25g, 0.001%); .</p>
Supplements	<p>Complemento alimentar de qualquer sabor (648g, 0.012%); Suplemento proteico e outros (360g, 0.011%); Concentrado alimentar diet shake (116.8g, 0.005%); Diet shake (43.8g, 0.003%); Sustagem (30g, 0%); Vitaminas, minerais e outros (30g, 0.001%).</p>
Sauces and spices	<p>Ketchup (1022.05g, 0.026%); Molho de tomate (180g, 0.004%); Mostarda molho (204.95g, 0.006%); Shoyo (94.4g, 0.003%); Canela (22g, 0%); Sal (1g, 0%).</p>
Mixed preparations	<p>Mexido (135g, 0.002%).</p>