Table S1. Main pear producers in the world.

Rank	Country	2018	Average 2009-2018
1	China	16,196,649	16,376,580
2	United State	730,740	764,920.7
3	Italy	716,821	757,067.7
4	Argentina	565,697	726,261.3
5	Turkey	519,451	447,576.5
6	Netherlands	402,000	323,500
7	South Africa	397,555	380,342.3
8	Belgium	369,506	316,590.1
9	Spain	332,319	410,369.8
10	India	318,000	326,316.4

Table S2. Main pear rootstock breeding programs worldwide.

Country	Institution/ Breeder	*Genus and species*	Primary Traits	Rootstocks	References
Australia	B. Morrison	*Pyrus communis*	Yield efficiency	BM2000	Manchester, [23]
France	INRA	*Pyrus communis, Pyrus species*	Yield efficiency, high soil pH tolerance	Pyriam, interspecific hybrid selections	Michelesi and Simard, [24]
Germany	Fruit Genebank, Dresden-Pillnitz	*Pyrus communis*	Yield efficiency	Pi-Bu series	Fischer, [25]
Germany	Geisenheim Research Institute	*Pyrus communis*	Dwarfing	Pyrodwarf, Pyro 2-33	Jacob, [26-27]
Italy	CIV, Ferrera	*Pyrus communis*	Yield efficiency, high soil pH tolerance	Many selections	Leis and Martinelli, [28]
Italy	University of Bologna	*Pyrus communis*	High soil pH tolerance	Fox series	Bassi et al., [29]; Quartieri et al., [30]
Poland	Warsaw Agricultural Univ.	*Pyrus communis*	-	GK seedling series	Lewko et al., [31]
Sweeden	SLU, Balsgard	*Pyrus communis*	Yield efficiency	BP 10030	Wang et al., [32]
South Africa	FTRI, South Africa	*Pyrus communis*	Yield efficiency, resistance collar root and virosis	BP1, BP3	Van Zyl, [33]
UK	East Malling Research	*Pyrus communis*	Yield efficiency	708 series, 517-9	Johnson et al., [34]
USA	Oregon State University	*Pyrus communis*	Yield efficiency, dwarfing	OHF series, Horner 4, Horner 10	Westwood et al., [35]
Syria	Damascus University	*Pyrus syriaca*	High soil pH tolerance	Seedling evaluation	Fallouh et al., [36]
Japan	Gifu University	[1]*P. bet. & P. call.*	Dwarfing	SPRB & SPRC series	Robbani et al., [37]
Spain	IRTA-INRAE	*Pyrus species*	High soil pH tolerance	Interspecific hybrid selections	Simard et al., [38]; Iglesias and Asin, [39]
USA	Washington State University	*Pyrus species*	Dwarfing, yield efficiency	Acquiring germplasm	
USA	USDA, ARS, AFRS	*Pyrus species*	Dwarfing, yield efficiency	US selections, OHFxUS selections	Postman, [40]
Italy	University of Pisa	*Cydonia*	Yield efficiency	Ct. S series	
Lithuania	LIH-Bapati	*Cydonia*	Yield efficiency	K series	Kviklys, [41]
Netherlands	Flueren	*Cydonia*	Yield efficiency	Eline	Maas, [42]
Poland	Research Inst. Of Horticulture	*Cydonia*	Cold hardiness	Pigwa series: S-1, S-2, S-3	Wertheim, [15]

Romania	UASVM-Iasi	*Cydonia*	Yield efficiency	BN-70	Mazilu, [43]; Giorgota et al., [44]
Turkey	Ankara University	*Cydonia*	Yield efficiency	S.O. series	Celik, M. [45].
UK	East Malling Research	*Cydonia*	Yield efficiency	C132, EMA, EMC, EMH	Webster et al., [46]
Russia		*Pyronia*		VA2	
Germany	Bavarian Center for Fruit Crops	*Amelanchier*	Precocity, dwarfing	Various selections	

[1]species abbreviations: *P. bet.* = *P. betulifolia; P. call.* = *P. calleryana*

Table adapted from Elkins et al., [47]