

| province          | year | pp          | gov |             |
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| BEIJING-2011      | 2011 | 0.001076821 |     | 1.924993667 |
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| BEIJING-2013      | 2013 | 0.002454472 |     | 1.311228882 |
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| TIANJIN-2011      | 2011 | 0.001006748 |     | 1.476689863 |
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| HEBEI-2011        | 2011 | 0.000257869 |     | 1.60277793  |
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| SHANXI-2011       | 2011 | 0.000324932 |     | 2.494878125 |
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| INNER-2011        | 2011 | 0.000282438 |     | 2.032917316 |
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| JILIN-2011        | 2011 | 0.000578447 |     | 1.037753286 |
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| JILIN-2013        | 2013 | 0.000508727 |     | 0.957532669 |
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| HEILONGJIANG-2011 | 2011 | 0.00043903  |     | 1.250331738 |
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| JIANGSU-2011      | 2011 | 0.00131838  |     | 1.189245977 |
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| ZHEJIANG-2014  | 2014 | 0.002048326 | 1.082926371 |
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| ANHUI-2011     | 2011 | 0.000377291 | 1.584216698 |
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| ANHUI-2015     | 2015 | 0.001237671 | 2.657720758 |
| FUJIAN-2011    | 2011 | 0.000878701 | 0.792705409 |
| FUJIAN-2012    | 2012 | 0.000869269 | 0.880090547 |
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| HUNAN-2015     | 2015 | 0.000717572 | 0.954628807 |
| GUANGDONG-2011 | 2011 | 0.000961604 | 0.666294271 |
| GUANGDONG-2012 | 2012 | 0.001286555 | 3.077821818 |
| GUANGDONG-2013 | 2013 | 0.001288673 | 0.625067186 |
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| HAINAN-2012    | 2012 | 0.000990949 | 1.143133931 |
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| CHONGQING-2011 | 2011 | 0.002584745 | 1.845811476 |
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| GUIZHOU-2011   | 2011 | 8.06364E-05 | 0.658414181 |
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| YUNNAN-2011    | 2011 | 0.001142826 | 1.481160375 |
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| SHAANXI-2011   | 2011 | 0.000589862 | 1.73598002  |
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| GANSU-2011     | 2011 | 0.000172119 | 1.509779543 |
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| QINGHAI-2011   | 2011 | 0.000211491 | 1.408771209 |
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| XINJIANG-2011  | 2011 | 0.000352359 | 2.009414712 |
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| 55.31826682 | 0.022268314 | 0.0184133   | 0.01514384  |
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| 49.51016782 | 0.024414945 | 0.016372796 | 0.013697887 |
| 35.97228893 | 0.02560582  | 0.019637597 | 0.014835241 |
| 46.49175397 | 0.027688517 | 0.021941883 | 0.018246872 |
| 106.297148  | 0.026960122 | 0.022089649 | 0.018181425 |
| 66.41030183 | 0.027228401 | 0.022981859 | 0.017965878 |
| 61.47158942 | 0.050566835 | 0.028482006 | 0.020143034 |
| 101.5298639 | 0.049397851 | 0.055477841 | 0.019344042 |
| 225.5731003 | 0.064505228 | 0.072020811 | 0.036730998 |
| 347.7378828 | 0.063208551 | 0.070789809 | 0.035445897 |
| 125.3704041 | 0.05989216  | 0.067227097 | 0.034106094 |
| 48.71520959 | 0.027504822 | 0.023732757 | 0.013368005 |
| 33.54388704 | 0.027095867 | 0.027810136 | 0.013630922 |
| 86.63967663 | 0.034733116 | 0.034371003 | 0.030629618 |
| 116.4756851 | 0.03584961  | 0.036900995 | 0.030583701 |
| 54.93834085 | 0.03688754  | 0.039444573 | 0.02990311  |

| NH4         | FDI         | TEC         |
|-------------|-------------|-------------|
| 0.000753623 | 0.000533987 | 0.101723192 |
| 0.000645699 | 5.27313E-05 | 0.111916091 |
| 0.001070217 | 5.62468E-05 | 0.116310814 |
| 0.001002128 | 5.78911E-05 | 0.137504804 |
| 0.000941851 | 0.000103099 | 0.146237754 |
| 0.00099827  | 0.000655782 | 0.014020633 |
| 0.001582623 | 5.82164E-05 | 0.012937234 |
| 0.001989233 | 5.49162E-05 | 0.014979898 |
| 0.001836317 | 5.6302E-05  | 0.018018432 |
| 0.001710774 | 6.82894E-05 | 0.019217374 |
| 0.000784413 | 0.000120398 | 0.000998591 |
| 0.000773123 | 1.16297E-05 | 0.000946006 |
| 0.001583748 | 1.19354E-05 | 0.001070622 |
| 0.001524365 | 1.2973E-05  | 0.001423059 |
| 0.001464653 | 1.53848E-05 | 0.001115071 |
| 0.001199186 | 0.000183338 | 0.002202517 |
| 0.001199747 | 1.66573E-05 | 0.002009714 |
| 0.001649199 | 1.67981E-05 | 0.002000659 |
| 0.001579854 | 1.88302E-05 | 0.002526973 |
| 0.001528348 | 2.00548E-05 | 0.004187213 |
| 0.001406179 | 0.00011478  | 0.001515885 |
| 0.001675436 | 1.02563E-05 | 0.002325771 |
| 0.002176068 | 8.42987E-06 | 0.001578836 |
| 0.002119053 | 9.14301E-06 | 0.006680877 |
| 0.002053109 | 1.22749E-05 | 0.002301452 |
| 0.001436232 | 0.000482285 | 0.007869159 |
| 0.00128826  | 4.71445E-05 | 0.007080197 |
| 0.002537138 | 4.19031E-05 | 0.007183401 |
| 0.002451505 | 4.26252E-05 | 0.009283619 |
| 0.002354346 | 4.48928E-05 | 0.006402961 |
| 0.001059641 | 0.000142103 | 0.002714724 |
| 0.001093663 | 1.2631E-05  | 0.002170041 |
| 0.002117899 | 1.51609E-05 | 0.002484797 |
| 0.002048253 | 1.48317E-05 | 0.002103819 |
| 0.001989065 | 1.56031E-05 | 0.002674323 |
| 0.001254674 | 0.000107498 | 0.005689414 |
| 0.001122803 | 1.02569E-05 | 0.005103129 |
| 0.00251715  | 9.81507E-06 | 0.004933095 |
| 0.002419249 | 9.79599E-06 | 0.007336429 |
| 0.002288324 | 9.20901E-06 | 0.007076088 |
| 0.001575026 | 0.001269685 | 0.028937776 |
| 0.001325864 | 0.00012942  | 0.025133281 |
| 0.002167686 | 0.000131287 | 0.025044638 |
| 0.0020058   | 0.000138264 | 0.02570382  |
| 0.001908215 | 0.000163938 | 0.02461244  |
| 0.00084403  | 0.000753392 | 0.003140652 |
| 0.000807985 | 7.29826E-05 | 0.006019015 |
| 0.001993894 | 6.9758E-05  | 0.006789448 |
| 0.00193618  | 6.77746E-05 | 0.007416339 |
| 0.001859192 | 6.94783E-05 | 0.00891626  |
| 0.000796117 | 0.000403527 | 0.00245573  |
| 0.000752834 | 3.96628E-05 | 0.002176868 |
| 0.002115585 | 3.96315E-05 | 0.002224609 |

|             |             |             |
|-------------|-------------|-------------|
| 0.002052523 | 4.01968E-05 | 0.002345511 |
| 0.001958797 | 4.238E-05   | 0.002169259 |
| 0.000766346 | 0.000138812 | 0.003539505 |
| 0.000728012 | 1.46559E-05 | 0.003733778 |
| 0.001841554 | 1.35361E-05 | 0.004250388 |
| 0.00177551  | 1.41503E-05 | 0.005005749 |
| 0.001719583 | 3.01396E-05 | 0.006871472 |
| 0.000829761 | 0.000503525 | 0.001900817 |
| 0.000819672 | 4.66969E-05 | 0.00241953  |
| 0.002573857 | 4.45473E-05 | 0.001968727 |
| 0.002495474 | 4.42393E-05 | 0.002542511 |
| 0.002417681 | 4.71599E-05 | 0.002053738 |
| 0.000769914 | 0.000270876 | 0.001278781 |
| 0.000787011 | 2.6255E-05  | 0.002438606 |
| 0.002086991 | 2.53846E-05 | 0.002921185 |
| 0.002025073 | 2.61998E-05 | 0.003072049 |
| 0.001968229 | 2.70301E-05 | 0.00300277  |
| 0.000709463 | 0.000204142 | 0.002122307 |
| 0.000692617 | 1.99566E-05 | 0.002570261 |
| 0.001798712 | 1.99882E-05 | 0.002785993 |
| 0.001744988 | 2.05937E-05 | 0.002799565 |
| 0.001663549 | 2.16833E-07 | 0.003280614 |
| 0.000792979 | 0.000101574 | 0.001350307 |
| 0.000762208 | 9.88302E-06 | 0.001177887 |
| 0.001636739 | 9.2037E-06  | 0.001439239 |
| 0.001593817 | 1.03519E-05 | 0.001349474 |
| 0.001532773 | 1.15656E-05 | 0.001251422 |
| 0.001137258 | 0.000170731 | 0.005943392 |
| 0.001065696 | 1.65324E-05 | 0.005681614 |
| 0.002284637 | 1.64082E-05 | 0.006402095 |
| 0.002235409 | 1.74264E-05 | 0.008826437 |
| 0.00215678  | 1.88076E-05 | 0.016118362 |
| 0.001313937 | 0.000114791 | 0.003372454 |
| 0.001155971 | 1.0936E-05  | 0.002499944 |
| 0.002506513 | 1.02335E-05 | 0.001799232 |
| 0.002438062 | 1.05208E-05 | 0.001906724 |
| 0.002366235 | 1.12377E-05 | 0.003151202 |
| 0.001199041 | 0.000549215 | 0.004330646 |
| 0.001065792 | 5.29448E-05 | 0.005126694 |
| 0.002204737 | 5.10727E-05 | 0.00516939  |
| 0.002124448 | 5.09165E-05 | 0.006394808 |
| 0.002037725 | 5.51144E-05 | 0.008516079 |
| 0.000992556 | 0.000164996 | 0.000227628 |
| 0.000993028 | 1.50815E-05 | 0.000432212 |
| 0.001813074 | 1.37525E-05 | 0.000480997 |
| 0.00177043  | 1.46569E-05 | 0.000193616 |
| 0.001723136 | 1.57644E-05 | 0.000510843 |
| 0.000931278 | 0.000564966 | 0.00033587  |
| 0.000923456 | 5.98458E-05 | 0.001581545 |
| 0.002600391 | 5.31316E-05 | 0.001370934 |
| 0.002549252 | 4.89358E-05 | 0.000198421 |
| 0.002539748 | 5.24369E-05 | 0.001229712 |
| 0.000947701 | 0.000291566 | 0.005867648 |
| 0.000870531 | 2.97067E-05 | 0.010023367 |



|             |             |             |
|-------------|-------------|-------------|
| 0.001895369 | 2.87921E-05 | 0.006806791 |
| 0.001821623 | 2.90791E-05 | 0.004734504 |
| 0.001763652 | 3.12443E-05 | 0.007132667 |
| 0.000735159 | 0.000176376 | 0.003858146 |
| 0.000751698 | 1.6935E-05  | 0.003185206 |
| 0.001785657 | 1.70956E-05 | 0.003226044 |
| 0.001745321 | 1.78132E-05 | 0.004659856 |
| 0.001693559 | 1.83225E-05 | 0.005657679 |
| 0.000447915 | 6.43573E-05 | 0.000455084 |
| 0.000439745 | 7.06558E-06 | 0.001677278 |
| 0.001145709 | 9.17026E-06 | 0.002393666 |
| 0.00111466  | 1.02563E-05 | 0.001411853 |
| 0.001095259 | 1.07618E-05 | 0.002297696 |
| 0.000416941 | 0.00014991  | 0.001660829 |
| 0.000457885 | 1.38142E-05 | 0.001506427 |
| 0.001284606 | 1.27326E-05 | 0.001317243 |
| 0.001262438 | 1.21051E-05 | 0.004411274 |
| 0.001242274 | 1.49635E-05 | 0.003583371 |
| 0.000849482 | 0.000102659 | 0.008544567 |
| 0.000852512 | 1.35955E-05 | 0.010116482 |
| 0.00169568  | 1.41382E-05 | 0.017212375 |
| 0.001652123 | 1.55339E-05 | 0.02316471  |
| 0.001584656 | 1.7823E-05  | 0.033236025 |
| 0.001025918 | 8.22563E-05 | 0.010517511 |
| 0.000923887 | 7.79676E-06 | 0.0104555   |
| 0.001662708 | 6.43233E-06 | 0.010485004 |
| 0.001595141 | 6.07768E-06 | 0.012930852 |
| 0.001518335 | 7.02339E-06 | 0.015953036 |
| 0.001259446 | 0.000121548 | 0.007858074 |
| 0.001428189 | 9.43178E-06 | 0.008445532 |
| 0.001697358 | 8.78618E-06 | 0.01008375  |
| 0.001713249 | 8.25488E-06 | 0.010191968 |
| 0.001681205 | 1.90585E-05 | 0.01279628  |
| 0.001287322 | 0.000135163 | 0.000663706 |
| 0.00206651  | 8.35328E-06 | 0.000590181 |
| 0.002829277 | 8.54033E-06 | 0.001876454 |
| 0.002712336 | 1.15257E-05 | 0.001244399 |
| 0.002624291 | 1.9192E-05  | 0.000557065 |
| 0.001212282 | 5.47429E-05 | 0.000282391 |
| 0.001243168 | 5.59713E-06 | 0.000831048 |
| 0.002130265 | 4.78047E-06 | 0.00066237  |
| 0.002126088 | 5.025E-06   | 0.000717532 |
| 0.002068631 | 5.68977E-06 | 0.000358282 |