

**Table 21. Production Practices – Certified and Exempt Organic Farms: 2014**

[For meaning of abbreviations and symbols, see introductory text.]

| Geographic area      | Practiced biological pest management (farms) | Released beneficial organisms (farms) | Maintained beneficial insect/vertebrate habitat (farms) | Selected planting locations to avoid pests (farms) | Chose pest resistant varieties (farms) | Planned plantings to avoid cross-contamination (farms) |
|----------------------|--|---------------------------------------|---|--|--|--|
| United States .....  | 4,779  | 2,510                                 | 4,840   | 5,405  | 5,035                                  | 4,032  |
| Alabama .....        | 17   | 4                                     | 19  | 24   | 19                                     | 12   |
| Alaska .....         | 8  | 8                                     | 7   | 12   | 9                                      | 2  |
| Arizona .....        | 29   | 11                                    | 25  | 20   | 14                                     | 9  |
| Arkansas .....       | 18   | 8                                     | 9   | 20   | 21                                     | 6  |
| California .....     | 1,111  | 714                                   | 1,194   | 777  | 755                                    | 363  |
| Colorado .....       | 65   | 45                                    | 65  | 79   | 60                                     | 35   |
| Connecticut .....    | 42   | 24                                    | 60  | 86   | 75                                     | 39   |
| Delaware .....       | 8  | 5                                     | 3   | 8  | 8                                      | 8  |
| Florida .....        | 70   | 40                                    | 82  | 77   | 84                                     | 42   |
| Georgia .....        | 69   | 42                                    | 59  | 91   | 77                                     | 52   |
| Hawaii .....         | 69   | 43                                    | 69  | 69   | 57                                     | 26   |
| Idaho .....          | 56   | 26                                    | 36  | 57   | 56                                     | 47   |
| Illinois .....       | 98   | 44                                    | 90  | 120  | 120                                    | 129  |
| Indiana .....        | 52   | 18                                    | 47  | 70   | 66                                     | 102  |
| Iowa .....           | 120  | 28                                    | 86  | 165  | 173                                    | 262  |
| Kansas .....         | 18   | 11                                    | 32  | 41   | 37                                     | 36   |
| Kentucky .....       | 52   | 27                                    | 44  | 49   | 47                                     | 29   |
| Louisiana .....      | 6  | 4                                     | 9   | 9  | 9                                      | 6  |
| Maine .....          | 206  | 71                                    | 179   | 268  | 221                                    | 129  |
| Maryland .....       | 51   | 29                                    | 62  | 65   | 61                                     | 56   |
| Massachusetts .....  | 66   | 58                                    | 80  | 119  | 90                                     | 50   |
| Michigan .....       | 100  | 41                                    | 121   | 129  | 105                                    | 100  |
| Minnesota .....      | 91   | 29                                    | 144   | 172  | 210                                    | 232  |
| Mississippi .....    | -  | -                                     | 2   | 2  | 2                                      | 2  |
| Missouri .....       | 50   | 29                                    | 61  | 74   | 62                                     | 85   |
| Montana .....        | 54   | 34                                    | 63  | 58   | 77                                     | 53   |
| Nebraska .....       | 44   | 14                                    | 56  | 67   | 76                                     | 79   |
| Nevada .....         | 18   | 5                                     | 25  | 28   | 15                                     | 7  |
| New Hampshire .....  | 68   | 37                                    | 49  | 97   | 88                                     | 49   |
| New Jersey .....     | 30   | 19                                    | 52  | 60   | 50                                     | 28   |
| New Mexico .....     | 48   | 32                                    | 51  | 54   | 55                                     | 34   |
| New York .....       | 227  | 120                                   | 207   | 323  | 297                                    | 290  |
| North Carolina ..... | 125  | 56                                    | 147   | 146  | 148                                    | 96   |
| North Dakota .....   | 16   | 10                                    | 17  | 43   | 29                                     | 48   |
| Ohio .....           | 136  | 60                                    | 112   | 192  | 200                                    | 195  |
| Oklahoma .....       | 24   | 14                                    | 16  | 21   | 22                                     | 13   |
| Oregon .....         | 219  | 116                                   | 222   | 201  | 198                                    | 116  |
| Pennsylvania .....   | 239  | 114                                   | 180   | 288  | 270                                    | 305  |
| Rhode Island .....   | 8  | 7                                     | 11  | 22   | 24                                     | 18   |
| South Carolina ..... | 25   | 8                                     | 25  | 28   | 28                                     | 21   |
| South Dakota .....   | 19   | 7                                     | 19  | 35   | 27                                     | 47   |
| Tennessee .....      | 16   | 9                                     | 31  | 25   | 22                                     | 12   |
| Texas .....          | 74   | 61                                    | 72  | 87   | 90                                     | 76   |
| Utah .....           | 13   | 10                                    | 19  | 16   | 15                                     | 12   |
| Vermont .....        | 142  | 93                                    | 153   | 150  | 143                                    | 90   |
| Virginia .....       | 75   | 38                                    | 98  | 75   | 97                                     | 52   |
| Washington .....     | 358  | 174                                   | 347   | 272  | 214                                    | 99   |
| West Virginia .....  | 10   | 4                                     | 15  | 8  | 12                                     | 9  |
| Wisconsin .....      | 314  | 107                                   | 262   | 497  | 391                                    | 420  |
| Wyoming .....        | 5  | 2                                     | 6   | 9  | 9                                      | 4  |

--continued

**Table 21. Production Practices – Certified and Exempt Organic Farms: 2014 (continued)**

[For meaning of abbreviations and symbols, see introductory text.]

| Geographic area      | Produced or used organic mulch/compost (farms) | Used green or animal manures (farms) | Used no-till or minimum till (farms) | Maintained buffer strips (farms) | Used water management practices (farms) | Practiced free-range livestock production (farms) | Practiced rotational grazing (farms) |
|----------------------|--|--------------------------------------|--------------------------------------|----------------------------------|---|---|--------------------------------------|
| United States .....  | 7,082  | 9,409                                | 5,724                                | 9,259                            | 7,506                                   | 2,048   | 3,075                                |
| Alabama .....        | 25   | 18                                   | 15                                   | 22                               | 22                                      | 1   | 1                                    |
| Alaska .....         | 13   | 10                                   | 11                                   | 5                                | 13                                      | -   | -                                    |
| Arizona .....        | 43   | 33                                   | 26                                   | 23                               | 40                                      | -   | 2                                    |
| Arkansas .....       | 25   | 18                                   | 15                                   | 11                               | 23                                      | 2   | 1                                    |
| California .....     | 1,649  | 1,269                                | 1,328                                | 1,535                            | 2,131                                   | 144   | 165                                  |
| Colorado .....       | 87   | 98                                   | 65                                   | 102                              | 102                                     | 14  | 13                                   |
| Connecticut .....    | 106  | 78                                   | 73                                   | 45                               | 66                                      | 17  | 9                                    |
| Delaware .....       | 3  | 4                                    | 5                                    | 9                                | 9                                       | -   | 1                                    |
| Florida .....        | 101  | 79                                   | 77                                   | 109                              | 130                                     | 15  | 8                                    |
| Georgia .....        | 91   | 84                                   | 68                                   | 63                               | 87                                      | 14  | 12                                   |
| Hawaii .....         | 118  | 94                                   | 87                                   | 93                               | 88                                      | 9   | 8                                    |
| Idaho .....          | 67   | 79                                   | 80                                   | 112                              | 109                                     | 18  | 23                                   |
| Illinois .....       | 114  | 202                                  | 91                                   | 213                              | 108                                     | 35  | 42                                   |
| Indiana .....        | 63   | 240                                  | 70                                   | 206                              | 58                                      | 78  | 148                                  |
| Iowa .....           | 215  | 501                                  | 180                                  | 536                              | 221                                     | 112   | 111                                  |
| Kansas .....         | 34   | 59                                   | 37                                   | 71                               | 34                                      | 10  | 5                                    |
| Kentucky .....       | 60   | 85                                   | 53                                   | 66                               | 69                                      | 19  | 37                                   |
| Louisiana .....      | 10   | 12                                   | 9                                    | 14                               | 10                                      | 3   | 3                                    |
| Maine .....          | 300  | 353                                  | 235                                  | 205                              | 204                                     | 110   | 127                                  |
| Maryland .....       | 65   | 79                                   | 51                                   | 90                               | 73                                      | 16  | 26                                   |
| Massachusetts .....  | 126  | 131                                  | 101                                  | 72                               | 109                                     | 29  | 29                                   |
| Michigan .....       | 160  | 256                                  | 99                                   | 245                              | 114                                     | 47  | 75                                   |
| Minnesota .....      | 190  | 442                                  | 207                                  | 451                              | 201                                     | 78  | 142                                  |
| Mississippi .....    | 4  | 2                                    | -                                    | 2                                | 4                                       | -   | -                                    |
| Missouri .....       | 82   | 160                                  | 81                                   | 161                              | 88                                      | 33  | 31                                   |
| Montana .....        | 57   | 102                                  | 60                                   | 107                              | 62                                      | 36  | 37                                   |
| Nebraska .....       | 58   | 104                                  | 54                                   | 143                              | 95                                      | 21  | 22                                   |
| Nevada .....         | 26   | 27                                   | 23                                   | 23                               | 35                                      | -   | -                                    |
| New Hampshire .....  | 125  | 110                                  | 78                                   | 63                               | 72                                      | 30  | 24                                   |
| New Jersey .....     | 55   | 64                                   | 45                                   | 56                               | 53                                      | 15  | 14                                   |
| New Mexico .....     | 81   | 89                                   | 75                                   | 66                               | 94                                      | 20  | 14                                   |
| New York .....       | 421  | 746                                  | 303                                  | 594                              | 330                                     | 201   | 440                                  |
| North Carolina ..... | 126  | 146                                  | 121                                  | 168                              | 163                                     | 29  | 32                                   |
| North Dakota .....   | 21   | 55                                   | 23                                   | 83                               | 12                                      | 2   | 4                                    |
| Ohio .....           | 217  | 468                                  | 158                                  | 437                              | 226                                     | 123   | 228                                  |
| Oklahoma .....       | 26   | 33                                   | 21                                   | 28                               | 32                                      | 11  | 10                                   |
| Oregon .....         | 313  | 300                                  | 243                                  | 322                              | 373                                     | 45  | 77                                   |
| Pennsylvania .....   | 240  | 554                                  | 230                                  | 511                              | 300                                     | 164   | 293                                  |
| Rhode Island .....   | 22   | 19                                   | 17                                   | 18                               | 21                                      | -   | -                                    |
| South Carolina ..... | 36   | 30                                   | 19                                   | 28                               | 22                                      | 12  | 7                                    |
| South Dakota .....   | 16   | 62                                   | 26                                   | 74                               | 17                                      | 7   | 8                                    |
| Tennessee .....      | 35   | 42                                   | 22                                   | 35                               | 25                                      | 7   | 8                                    |
| Texas .....          | 124  | 133                                  | 75                                   | 139                              | 159                                     | 32  | 26                                   |
| Utah .....           | 16   | 26                                   | 19                                   | 33                               | 32                                      | 7   | 7                                    |
| Vermont .....        | 273  | 376                                  | 180                                  | 291                              | 200                                     | 94  | 205                                  |
| Virginia .....       | 78   | 91                                   | 74                                   | 103                              | 104                                     | 18  | 24                                   |
| Washington .....     | 425  | 380                                  | 373                                  | 447                              | 493                                     | 62  | 78                                   |
| West Virginia .....  | 17   | 13                                   | 8                                    | 10                               | 10                                      | 8   | 8                                    |
| Wisconsin .....      | 514  | 1,036                                | 404                                  | 988                              | 443                                     | 291   | 484                                  |
| Wyoming .....        | 9  | 17                                   | 9                                    | 31                               | 20                                      | 9   | 6                                    |