## FRUIT INVENTORY SURVEY 2022 CROP

OMB No. 0535-0039 Approval Expires: Project Code: 491 QID: SMetaKey:



United States Department of Agriculture



NATIONAL AGRICULTURAL STATISTICS SERVICE

USDA/NASS - Michigan

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Please make corrections to name, address and ZIP Code, if necessary

Michigan's fruit industry needs updated information for planning, marketing, and production forecasting.

The information you provide will be used for statistical purposes only. Your responses will be kept confidential and any person who willfully discloses ANY identifiable information about you or your operation is subject to a jail term, a fine, or both. This survey is conducted in accordance with the Confidential Information Protection and Statistical Efficiency Act of 2018, Title III of Pub. L. No. 115-435, codified in 44 U.S.C. Ch. 35 and other applicable Federal laws. For more information on how we protect your information please visit: https://www.nass.usda.gov/confidentiality. Response is **voluntary.** 

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# REPORT FOR ALL LAND YOU OPERATED OR MANAGED IN 2022 Include land rented or leased from others, but exclude land rented or leased to someone else.

| 1. | Rep | port the acres used to produce the following crops in <b>2022</b> ? | , | ACRES |
|----|-----|---|---|-------|
|    | a.  | Apples  |   |       |
|    | b.  | Tart Cherries   |   |       |
|    | c.  | Sweet Cherries  |   |       |
|    | d.  | Peaches   |   |       |
|    | e.  | Plums   |   |       |
|    |     |   |   |       |
|    | f.  | 1. Did at least one of the above listed crops have acreage?         |   |       |
|    |     | Yes [Continue]  |   |       |
|    | g.  | No [Go to REPORT IF NOT GROWING FRUIT IN 2022 on page 12]           |   |       |
|    |     |   |   |       |
|    |     |   |   |       |
|    |     |   |   |       |

#### **INSTRUCTIONS**

Please report only for acreage of fruit you operate: **Include** land rented from others. **Exclude** land rented to others.

If you participated in a previous Fruit Inventory, you will find enclosed a printout of the blocks you reported previously. Space has been left on these printouts for you to update the information. Check all "other" varieties on the block record and update them. Your updated copy of the previous printout should be returned with this questionnaire in which you should report on new blocks acquired or planted since previously reported. You may use the printout as a reference only and list all of your blocks in questionnaire. All of your fruit blocks must be accounted for between the updated printout and the questionnaire.

If you did not receive a printout from the previous survey, complete a line in the questionnaire for each block in your operation. Use the name or number that you use to identify each block. Each block should have its own distinctive name or number. List the county, township, and section (if known) where the block is located. Include all bearing and non-bearing blocks. **Exclude** neglected blocks. Enter the appropriate variety and rootstock codes on the lines and complete the remaining cells for each variety in the block. Round acreage to the nearest tenth of an acre. **See examples below.** 

#### **Example for Apples**

Use code if given. If not write in variety name.

| Block (Name of number) | County<br>(Name) | Township<br>(Name) | Variety<br>(Code or name) | Rootstock | Year<br>Planted | Trees<br>(Number) | Acres | Spacing |
|------------------------|------------------|--------------------|---------------------------|-----------|-----------------|-------------------|-------|---------|
| Home Farm              | Kent             | Alpine             | 023                       | 6         | 2012            | 2400              | 5•0   | 6 x 15  |
| Jones Place            | Kent             | Alpine             | Red Delicious             | 5         | 2013            | 530               | 4•0   | 16 x 20 |
| Jones Place            | Kent             | Alpine             | 012                       | 5         | 2013            | 125               | 1•0   | 16 x 20 |

#### **Example for Cherries**

Use code if given. If not write in variety name.

| Block<br>(Name or number) | County<br>(Name) | Township<br>(Name) | Section | Variety<br>(Code or name) | Rootstock | Year<br>nlanted | Trees<br>(Number) | Acres | Spacing |
|---------------------------|------------------|--------------------|---------|---------------------------|-----------|-----------------|-------------------|-------|---------|
| Home                      | Leelanau         | Leland             |         | Ulster                    | 2         | 1994            | 2,400             | 22•0  | 20 x 20 |
| Home                      | Leelanau         | Leland             |         | 163                       | 2         | 1991            | 600               | 6•0   | 20 x 22 |
| North Forty               | Leelanau         | Bingham            |         | 111                       | 1         | 2005            | 660               | 5•5   | 18 x 20 |

Apples

| Variety  | Code | Variety          | Code | Variety    | Code | Variety       | Code | Variety         | Code |
|----------|------|------------------|------|------------|------|---------------|------|-----------------|------|
| Blondee  | 075  | Fujiearly season | 076  | Honeycrisp | 065  | McIntosh      | 024  | Rome            | 030  |
| Braeburn | 035  | Fujimain season  | 016  | Idared     | 019  | Northern Spy  | 026  | Sweetango       | 029  |
| Cameo    | 052  | Gala             | 017  | Jonagold   | 020  | Paulared      | 027  | Winesap         | 032  |
| Cortland | 011  | Ginger Gold      | 042  | Jonamac    | 046  | Pink Lady     | 078  | Zestar          | 073  |
| Empire   | 015  | Golden Delicious | 012  | Jonathan   | 023  | Red Delicious | 014  | Other (specify) |      |

## Rootstocks

| Rootstock | Code | Rootstock      | Code | Rootstock       | Code |
|-----------|------|----------------|------|-----------------|------|
| Seedling  | 1    | M26            | 5    | Bud 9           | 10   |
| MM111     | 2    | Mark           | 6    | Geneva 30       | 11   |
| MM106     | 3    | M9 & M9 clones | 7    | Geneva 16       | 12   |
| M7 (VII)  | 4    | Bud 118        | 8    | Other (specify) |      |

| Block<br>(Name or number) | County<br>(Name) | Township<br>(Name) | Variety (Code or name) | Rootstock<br>code | Year<br>planted | Trees<br>(Number) | Acres | Spacing       |
|---------------------------|------------------|--------------------|------------------------|-------------------|-----------------|-------------------|-------|---------------|
|                           |                  |                    |                        |                   |                 |                   | _     | <del></del> - |
|                           |                  |                    |                        |                   |                 |                   | •     | 37            |
|                           |                  |                    |                        |                   |                 |                   | •     |               |
|                           |                  |                    |                        |                   |                 |                   | _     |               |
|                           |                  |                    |                        |                   |                 |                   | _     |               |
|                           |                  |                    |                        |                   |                 |                   | _     |               |
|                           |                  |                    |                        |                   |                 |                   | _     | ***           |
|                           |                  |                    |                        |                   |                 |                   | _     |               |
|                           |                  |                    |                        |                   |                 |                   | _     |               |
|                           |                  |                    |                        |                   |                 |                   | _     |               |
|                           |                  |                    |                        |                   |                 |                   | _     |               |
|                           |                  |                    |                        |                   |                 |                   | _     | 477           |
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| Block<br>(Name or number) | County<br>(Name) | Township<br>(Name) | Variety (Code or name) | Rootstock<br>code | Year<br>planted | Trees<br>(Number) | Acres | Spacing |
|---------------------------|------------------|--------------------|------------------------|-------------------|-----------------|-------------------|-------|---------|
|                           |                  |                    |                        |                   |                 |                   | _     |         |
|                           |                  |                    |                        |                   |                 |                   | _     | **      |
|                           |                  |                    |                        |                   |                 |                   | _     | **      |
|                           |                  |                    |                        |                   |                 |                   | _     |         |
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# Cherries

| Tart Cherries     |      |
|-------------------|------|
| Variety           | Code |
| Montmorency       | 111  |
| Galaxy<br>Balaton | 112  |
| Balaton           | 113  |
| Other (specify)   |      |

| Sweet Cherries  |      |             |      |         |      |  |  |  |  |
|-----------------|------|-------------|------|---------|------|--|--|--|--|
| Light           |      |             | Dai  | ¹k      |      |  |  |  |  |
| Variety         | Code | Variety     | Code | Variety | Code |  |  |  |  |
| Emperor Francis | 161  | Attika      | 184  | Nelson  | 168  |  |  |  |  |
| Gold            | 162  | Blackgold   | 188  | Regina  | 186  |  |  |  |  |
| Napoleon        | 163  | Cavalier    | 175  | Sam     | 169  |  |  |  |  |
| Ranier          | 164  | Hedelfingen | 167  | Schmidt | 170  |  |  |  |  |
| Other (specify) |      | Kristen     | 179  | Ulster  | 171  |  |  |  |  |

| Mahaleb = 1  | Mazzard = 2 | MxM 2 = 3   | MxM 60 = 4   | Gisela 5 = 5 | Gisela $6 = 6$ | Gisela 12=7 |   |
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| Block (Name or number) | County<br>(Name) | Township<br>(Name) | Variety (Code or name) | Rootstock<br>Code | Year<br>planted | Trees<br>(Number) | Acres | Spacing |
|------------------------|------------------|--------------------|------------------------|-------------------|-----------------|-------------------|-------|---------|
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| Block<br>(Name or number) | County<br>(Name) | Township<br>(Name) | Variety<br>(Code or name) | Rootstock<br>code | Year<br>planted | Trees<br>(Number) | Acres | Spacing |
|---------------------------|------------------|--------------------|---------------------------|-------------------|-----------------|-------------------|-------|---------|
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## **Peaches**

|                  |      |               |      | Fresh M       | larket |            |      |                 |      | Processing      |      |  |
|------------------|------|---------------|------|---------------|--------|------------|------|-----------------|------|-----------------|------|--|
| Variety          | Code | Variety       | Code | Variety       | Code   | Variety    | Code | Variety         | Code | Variety         | Code |  |
| Allstar          | 456  | Earlystar     | 481  | Newhaven      | 421    | PF – 15A   | 461  | Redhaven        | 422  | Arkansas-9      | 441  |  |
| Autumnstar       | 479  | Fayette       | 429  | PF - 1        | 445    | PF – 17    | 442  | Redkist         | 434  | Baby Gold - 5   | 411  |  |
| Bellaire         | 426  | Garnet Beauty | 415  | PF – 5B       | 446    | PF – 19A   | 463  | Redskin         | 423  | Baby Gold – 7   | 466  |  |
| Blazingstar      | 454  | Glohaven      | 416  | PF – 7        | 477    | PF20 – 007 | 464  | Redstar         | 459  | Catherina       | 473  |  |
| Blushingstar     | 453  | Glowingstar   | 457  | PF – 8-Ball   | 478    | PF – 23    | 444  | Risingstar      | 458  | Venture         | 469  |  |
| Brightstar       | 482  | Harbrite      | 417  | PF – 9A-007   | 480    | PF24 – 007 | 465  | Saturn          | 474  | Vinegold        | 471  |  |
| Canadian Harmony | 412  | John Boy      | 462  | PF – 12A      | 443    | PF – 24C   | 476  | Starfire        | 452  | Virgil          | 470  |  |
| Coralstar        | 455  | Loring        | 420  | PF – Lucky 13 | 475    | PF – 25    | 460  | Summer Serenade | 467  |                 |      |  |
| Cresthaven       | 414  |               |      | PF 14NJ       | 447    | PF – 27A   | 448  | Other (specify) |      | Other (specify) |      |  |

| Block<br>(Name or number) | County<br>(Name) | Township<br>(Name) | Variety<br>(Code or name) | Year<br>planted | Trees<br>(Number) | Acres | Spacing |
|---------------------------|------------------|--------------------|---------------------------|-----------------|-------------------|-------|---------|
|                           |                  |                    |                           |                 |                   | •     | x       |
|                           |                  |                    |                           |                 |                   | •     | X       |
|                           |                  |                    |                           |                 |                   | •     | х       |
|                           |                  |                    |                           |                 |                   | •     | X       |
|                           |                  |                    |                           |                 |                   | •     | X       |
|                           |                  |                    |                           |                 |                   | •     | X       |
|                           |                  |                    |                           |                 |                   | •     | X       |
|                           |                  |                    |                           |                 |                   | •     | X       |
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|                           |                  |                    |                           |                 |                   | •     | X       |
|                           |                  |                    |                           |                 |                   | •     | X       |
|                           |                  |                    |                           |                 |                   | •     | X       |
|                           |                  |                    |                           |                 |                   | •     | Х       |
|                           |                  |                    |                           |                 |                   | •     | X       |
|                           |                  |                    |                           |                 |                   | •     | Х       |
|                           |                  |                    |                           |                 |                   | •     | Х       |

# Plums

| Nectarines      |      | Pears          |      |                 |      | Plums     |      |                 |      |
|-----------------|------|----------------|------|-----------------|------|-----------|------|-----------------|------|
| Variety         | Code | Variety        | Code | Variety         | Code | Variety   | Code | Variety         | Code |
| Eastern Glo     | 866  | Asians         | 611  | Harrow Sweet    | 621  | Blufre    | 511  | NY 9            | 527  |
| Fantasia        | 861  | Bartlett       | 612  | Red Sensation   | 617  | Castleton | 525  | Ozark Premier   | 515  |
| June Glo        | 863  | Bosc           | 613  | Spartlett       | 618  | Damson    | 512  | Shiro           | 516  |
| Redgold         | 864  | Clapp's        | 614  |                 |      | Italian   | 513  | Stanley         | 517  |
| Summer Beauty   | 868  | D'Anjou        | 615  |                 |      | Methley   | 514  | Toka/Bubble Gum | 530  |
| Other (specify) |      | Harrow Delight | 620  | Other (specify) |      | NY 6      | 526  | Other (specify) |      |

| Fruit type | Block<br>(Name or number) | County<br>(Name) | Township<br>(Name) | Variety<br>(Code or name) | Year<br>planted | Trees<br>(Number) | Acres | Spacing |
|------------|---------------------------|------------------|--------------------|---------------------------|-----------------|-------------------|-------|---------|
|            |                           |                  |                    |                           |                 |                   | •     | X       |
|            |                           |                  |                    |                           |                 |                   | •     | X       |
|            |                           |                  |                    |                           |                 |                   | •     | X       |
|            |                           |                  |                    |                           |                 |                   | •     | X       |
|            |                           |                  |                    |                           |                 |                   | •     | X       |
|            |                           |                  |                    |                           |                 |                   | •     | X       |
|            |                           |                  |                    |                           |                 |                   | •     | X       |
|            |                           |                  |                    |                           |                 |                   | •     | X       |
|            |                           |                  |                    |                           |                 |                   | •     | X       |
|            |                           |                  |                    |                           |                 |                   | •     | Х       |
|            |                           |                  |                    |                           |                 |                   | •     | Х       |
|            |                           |                  |                    |                           |                 |                   | •     | Х       |
|            |                           |                  |                    |                           |                 |                   | •     | Х       |
|            |                           |                  |                    |                           |                 |                   | •     | Х       |
|            |                           |                  |                    |                           |                 |                   | •     | X       |
|            |                           |                  |                    |                           |                 |                   | •     | X       |

## Fruit Planting and Removal Intentions for 2023 – 2027

| Do you plan to make any changes to your fruit acreage in the next five |     |          |    |                 |         |                 |
|--|-----|----------|----|-----------------|---------|-----------------|
| years?   | Yes | Continue | No | Go to next page | Unknown | Go to next page |

Please record the acres of each type of fruit and variety you plan to remove and to plant over the next five years. If you have intentions to remove or plant but do not know the variety, you may leave that column blank. If you are unsure exactly which year you will plant or remove acreage, please estimate.

| Fruit Species | Variety | Year        | Acres to be planted | Acres to be removed |
|---------------|---------|-------------|---------------------|---------------------|
|               |         | 2023        |                     |                     |
|               |         | 2023        |                     |                     |
|               |         | 2023        |                     |                     |
|               |         | 2023        |                     |                     |
|               |         | 2023        |                     |                     |
|               |         | 2023        |                     |                     |
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|               |         | 2024        |                     |                     |
|               |         | 2024        |                     |                     |
|               |         | 2024        |                     |                     |
|               |         | 2025 – 2027 |                     |                     |
|               |         | 2025 – 2027 |                     |                     |
|               |         | 2025 – 2027 |                     |                     |
|               |         | 2025 – 2027 |                     |                     |
|               |         |             |                     |                     |
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| Fruit Species | Variety | Year        | Acres to be planted | Acres to be removed |
|---------------|---------|-------------|---------------------|---------------------|
|               |         | 2023        |                     |                     |
|               |         | 2023        |                     |                     |
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| Op  | eration Labor in 2022  |   |  |   |  |  |  |  |  |  |
|---|--|---|--|---|--|--|--|--|--|--|
| 1.  | Did this operation have any paid workers, including  | paid family members in 2022?            |  |   |  |  |  |  |  |  |
|   | Yes [Continue] No [Go to Item XX]  |   |  |   |  |  |  |  |  |  |
| 2. Record the number of workers in each category below. W-2 is the Wage and Tax Statement required by IRS. (If an employee did both agricultural and non-agricultural work, such as packing, retailing, or office work, record in the category in which the majority of the worker's time was spent.) |  |   |  |   |  |  |  |  |  |  |
|   |  | Permanent                               | Seasonal                                 |   |  |  |  |  |  |  |
| 3.  | Of the total paid workers listed in question 2 shows   | (121 days or more per year)             | (120 days or less per year) <sub>[</sub> |   |  |  |  |  |  |  |
| ٥.  | Of the Actal paid workers wister win a partie 2 above, (Migrant workers are seasonal farm workers who have   | Twe to travel to do farm work and       | 1-are                                    |   |  |  |  |  |  |  |
|   | unable to return to their permanent residence the sa   | ,                                       | ITCIVIDE                                 |   |  |  |  |  |  |  |
| 4.  | Did you have a labor shortage in <b>2022</b> ?   | 203                                     | 204                                      |   |  |  |  |  |  |  |
|   | Part-time (29 hours or less per week) Yes [Enter Code 1 and continue]  |   |  |   |  |  |  |  |  |  |
|   | NH2[Ærtter Code S and go to Item 7]  |   | COPE                                     |   |  |  |  |  |  |  |
|   | a. How many additional permanent workers (121)   | lavs or more per year) would yo         | 206<br>11 have                           |   |  |  |  |  |  |  |
|   | Full time (30 hours or more per week) \ hired had they been available?   | adys of more per year) would yo         | u nave                                   |   |  |  |  |  |  |  |
|   | b. How many additional seasonal workers (120 da  |   |  |   |  |  |  |  |  |  |
|   | had they been available?  had they been available?  rule (30 flours or more per week)  | yangor ress per year) would you in      | NUMBER                                   |   |  |  |  |  |  |  |
|   | Fûlf time (30 hours or more per week)  | 211                                     | 212                                      | _ |  |  |  |  |  |  |
|   | Dowt time (20 house or loss now reads)   | 211                                     | Σ12                                      |   |  |  |  |  |  |  |
| 5.  | Part-time (29 hours or less per week) What were the total acres unharvested in <b>2022</b> due to  | labor chortago?                         | ACDEC                                    | _ |  |  |  |  |  |  |
| ٥.  | What were the total acres unharvested in 2022 due to   | J <sub>24</sub> gDOI SHOItage:          | 214 ACRES                                |   |  |  |  |  |  |  |
| 6.  | In what the All has additionally and the se additional three additional th | tional workers?                         |  |   |  |  |  |  |  |  |
|   | January  | July                                    |  |   |  |  |  |  |  |  |
|   | February   | August                                  |  |   |  |  |  |  |  |  |
|   | March  | September                               |  |   |  |  |  |  |  |  |
|   | April May  | October November                        |  |   |  |  |  |  |  |  |
|   | June   | December                                |  |   |  |  |  |  |  |  |
|   |  | _ = =================================== |  |   |  |  |  |  |  |  |

| 7. | Local Labor Fo<br>Michigan Wor<br>Drive Up Labo<br>H-2A Tempora | ary Agricultural, Dire<br>ary Agricultural, Con   | nt Ads<br>Specialists<br>ct Hire  | in <b>2022</b> ?                             |                  |                                  |                        |
|----|---|---|---|--|------------------|----------------------------------|------------------------|
|    |   |   |   |  |                  |                                  |                        |
| Ne |   | ips where you operat<br>the appropriate box.)   |   | lected fruit orchards, v                     |                  | olantations left unmanaged       | d for at least one yea |
|    | 2. In the primary  Apples  Grapes  413  414                     | township where you<br>acres<br>acres  | operate, about how<br>Blueber<br>Other tree f                             |  | are there of the | ne following?                    |                        |
|    | 4. Rate the amour   | , ,   | •   | eglected acres of fruit a                    |                  | <br>ect or plant disease infiltr | ation from neglected   |
|    | None  | Slight  | 426<br>Moderate   | Extensive                                    |                  |                                  |                        |
|    | PORT IF NOT GR  | OWING FRUIT IN  | 2022  |  |                  |                                  |                        |
| 1. | Farm Sold [E] Retired from Entire farm re Farming, but          | on no fruit was groven the Code 1 and go farming [Enter Coented to others [Enter Coented to others [Enter Code 5 and [Enter Code 5 and [Enter Code 5] | to Item 11]<br>de 2 and go to Ite<br>nter Code 3 and g<br>[Enter Code 4 a | m 11]<br>o to Item 11]<br>and go to Item 11] |                  | COD<br>E                         |                        |
| 2. | Will a new opera  | ution grow grapes ir  | the land you ope  | rated in <b>2022?</b>                        |                  |                                  |                        |
|    | Yes [Enter C  | Code 1]<br>Code 3 and go to Co  | onclusion]  |  |                  | CODE                             |                        |

3. To avoid duplication, please provide the new grape producer's name, farm name, and partners.

| Please record any | v COMMENTS or | r crop quality. | growing season. | difficulties. | etc |
|-------------------|---------------|-----------------|-----------------|---------------|-----|
|                   |               |                 |                 |               |     |

### CONCLUSION

Survey Results: The report will be available at the following website: www.nass.usda.gov/mi.

| Email:           | Fax:   | · · · · · · · · · · · · · · · · · · · |    |    |    |
|------------------|--------|---------------------------------------|----|----|----|
|                  | 9911   | 9910                                  | MM | DD | YY |
| Respondent Name: | Phone: | Date:                                 |    |    |    |

## This completes the survey. Thank you for your help.

| Response  |      | Respondent  |      | Mode  |      | Enum. | Eval. | Change | Office Use for POID |                           |      |      |
|---|------|---|------|---|------|-------|-------|--------|---------------------|---------------------------|------|------|
| 1-Comp<br>2-R<br>3-Inac<br>4-Office Hold<br>5-R – Est<br>6-Inac – Est<br>7-Off Hold – Est | 9901 | 1-Op/Mgr<br>2-Sp<br>3-Acct/Bkpr<br>4-Partner<br>9-Oth | 9902 | 1-Mail<br>2-Tel<br>3-Face-to-Face<br>4-CATI<br>5-Web<br>6-e-mail<br>7-Fax<br>8-CAPI<br>19-Other | 9903 | 9998  | 9900  | 9985   | 9989                | <br><b>Optior</b><br>9908 | 9906 | 9916 |
| S/E Name  |      | 1   |      | 1   | 1    |       |       |        |                     | 1                         |      |      |