

# 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**.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB number is 0535-0039. The time required to complete this information collection is estimated to average 20 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

## 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. Report the acres used to produce the following crops in **2022**?

|                                                                                                                                                         |  | 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?                                                                                          |  |       |
| <input type="checkbox"/> Yes [ <i>Continue</i> ]<br>g. .... <input type="checkbox"/> No [ <i>Go to REPORT IF NOT GROWING FRUIT IN 2022 on page 12</i> ] |  |       |
|                                                                                                                                                         |  |       |
|                                                                                                                                                         |  |       |

## 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<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 |
|---------------------------|------------------|--------------------|--|---------------------------|-------------------|-----------------|-------------------|-------|---------|
| 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>planted | 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 |

| 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) |      |

[illegible]

[illegible]



[illegible]

# Peaches

| Fresh Market     |      |               |      |               |      |            |      |                 |      | Processing      |      |
|------------------|------|---------------|------|---------------|------|------------|------|-----------------|------|-----------------|------|
| Variety          | Code | Variety       | Code | Variety       | Code | Variety    | Code | Variety         | Code | Variety         | Code |
| Allstar          | 456  | Earlstar      | 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) |      |

[illegible]

## 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) |      |

[illegible]

## 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        |                     |                     |
|               |         | 2024        |                     |                     |
|               |         | 2024        |                     |                     |
|               |         | 2024        |                     |                     |
|               |         | 2024        |                     |                     |
|               |         | 2024        |                     |                     |
|               |         | 2024        |                     |                     |
|               |         | 2025 – 2027 |                     |                     |
|               |         | 2025 – 2027 |                     |                     |
|               |         | 2025 – 2027 |                     |                     |
|               |         | 2025 – 2027 |                     |                     |
|               |         |             |                     |                     |
|               |         |             |                     |                     |
|               |         |             |                     |                     |
|               |         |             |                     |                     |

| Fruit Species | Variety | Year        | Acres to be planted | Acres to be removed |
|---------------|---------|-------------|---------------------|---------------------|
|               |         | 2023        |                     |                     |
|               |         | 2023        |                     |                     |
|               |         | 2023        |                     |                     |
|               |         | 2023        |                     |                     |
|               |         | 2023        |                     |                     |
|               |         | 2023        |                     |                     |
|               |         | 2024        |                     |                     |
|               |         | 2024        |                     |                     |
|               |         | 2024        |                     |                     |
|               |         | 2024        |                     |                     |
|               |         | 2024        |                     |                     |
|               |         | 2024        |                     |                     |
|               |         | 2025 – 2027 |                     |                     |
|               |         | 2025 – 2027 |                     |                     |
|               |         | 2025 – 2027 |                     |                     |
|               |         | 2025 – 2027 |                     |                     |
|               |         |             |                     |                     |
|               |         |             |                     |                     |
|               |         |             |                     |                     |
|               |         |             |                     |                     |

**Operation 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<br>(121 days or more per year) | Seasonal<br>(120 days or less per year) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------|
| 3. Of the total paid workers listed in question 2 above, <b>AGRICULTURAL W-2 WORKERS</b><br>(Migrant workers are seasonal farm workers who have to travel to do farm work and are unable to return to their permanent residence the same day.) If none, go to question 5. |                                          | NUMBER                                  |
| 4. Did you have a labor shortage in 2022?<br>Part-time (29 hours or less per week)<br><input type="checkbox"/> Yes [Enter Code 1 and continue]<br><input type="checkbox"/> No [Enter Code 3 and go to Item 7]                                                             | 203                                      | 204                                     |
| a. How many additional permanent workers (121 days or more per year) would you have hired had they been available?<br>Full time (30 hours or more per week)<br><b>CONTRACT (Non W-2) WORKERS</b>                                                                          | 205                                      | 206                                     |
| b. How many additional seasonal workers (120 days or less per year) would you have hired had they been available?<br>Full time (30 hours or more per week)                                                                                                                |                                          | NUMBER                                  |
| Part-time (29 hours or less per week)                                                                                                                                                                                                                                     | 211                                      | 212                                     |
| 5. What were the total acres unharvested in 2022 due to labor shortage?                                                                                                                                                                                                   | 213                                      | 214 ACRES                               |
| 6. In what months during 2022 did you need these additional workers?<br><b>TOTAL PAID WORKERS</b>                                                                                                                                                                         |                                          |                                         |
| <input type="checkbox"/> January                                                                                                                                                                                                                                          | <input type="checkbox"/> July            |                                         |
| <input type="checkbox"/> February                                                                                                                                                                                                                                         | <input type="checkbox"/> August          |                                         |
| <input type="checkbox"/> March                                                                                                                                                                                                                                            | <input type="checkbox"/> September       |                                         |
| <input type="checkbox"/> April                                                                                                                                                                                                                                            | <input type="checkbox"/> October         |                                         |
| <input type="checkbox"/> May                                                                                                                                                                                                                                              | <input type="checkbox"/> November        |                                         |
| <input type="checkbox"/> June                                                                                                                                                                                                                                             | <input type="checkbox"/> December        |                                         |

7. Which sources did you use to hire new or more employees in **2022**?

- ☐ Local Labor Force Recruiting / Want Ads  
☐ Michigan Works! Ag Employment Specialists  
☐ Drive Up Labor  
☐ H-2A Temporary Agricultural, Direct Hire  
☐ H-2A Temporary Agricultural, Contractor  
☐ Other (specify)

## Neglected Orchards

1. In the townships where you operate, are there any neglected fruit orchards, vineyards, or plantations left unmanaged for at least one year (Enter "1" in the appropriate box.)

|                       |                          |                                  |
|-----------------------|--------------------------|----------------------------------|
| 410<br>Yes (continue) | 411<br>No (go to item 5) | 412<br>Don't know (go to item 5) |
|-----------------------|--------------------------|----------------------------------|

2. In the primary township where you operate, about how many neglected acres are there of the following?

|        |              |                  |              |
|--------|--------------|------------------|--------------|
| Apples | 413<br>acres | Blueberries      | 415<br>acres |
| Grapes | 414<br>acres | Other tree fruit | 416<br>acres |

3. Within one-half mile of any of your fruit, how many neglected acres of fruit are there? |

4. Rate the amount of increase in the cost of pest management you have experienced from insect or plant disease infiltration from neglected (Enter "1" in the appropriate box.)

|             |               |                 |                  |
|-------------|---------------|-----------------|------------------|
| 424<br>None | 425<br>Slight | 426<br>Moderate | 427<br>Extensive |
|-------------|---------------|-----------------|------------------|

**REPORT IF NOT GROWING FRUIT IN 2022**

1. Indicate the reason no fruit was grown on this operation in
- 2022**

- ☐ Farm Sold [Enter Code 1 and go to Item 11]  
☐ Retired from farming [Enter Code 2 and go to Item 11]  
☐ Entire farm rented to others [Enter Code 3 and go to Item 11]  
☐ Farming, but not growing grapes [Enter Code 4 and go to Item 11]  
☐ Never farmed [Enter Code 5 and go to Conclusion]

CODE

2. Will a new operation grow grapes in the land you operated in
- 2022**
- ?

- ☐ Yes [Enter Code 1]  
☐ No [Enter Code 3 and go to Conclusion]

CODE

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

Please record any **COMMENTS** on crop quality, growing season, difficulties, etc.,.

## CONCLUSION

**Survey Results:** The report will be available at the following website: [www.nass.usda.gov/mi](http://www.nass.usda.gov/mi).

Email: \_\_\_\_\_ Fax: \_\_\_\_\_

|                               |                             |                                                          |
|-------------------------------|-----------------------------|----------------------------------------------------------|
| <b>Respondent Name:</b> _____ | 9911<br><b>Phone:</b> _____ | 9910    MM    DD    YY<br><b>Date:</b> _ _    _ _    _ _ |
|-------------------------------|-----------------------------|----------------------------------------------------------|

**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>Optional Use</b>               |      |      |      |
|                                                                                           |      |                                                       |      |                                                                                                 |      |       |       |        | 9907                              | 9908 | 9906 | 9916 |
| S/E Name                                                                                  |      |                                                       |      |                                                                                                 |      |       |       |        |                                   |      |      |      |