

# APPENDIX

## The Questionnaire Index to tables

(315)

THE QUESTIONNAIRE

This inquiry is authorized by Act of Congress (48 Stat. 21; 13 USC 201-218) which requires that you file a report. Your report is accorded confidential treatment subject to the provisions...

Form A1, U.S. DEPARTMENT OF COMMERCE—BUREAU OF THE CENSUS, WASHINGTON, AGRICULTURE QUESTIONNAIRE, Seventeenth Decennial Census of the United States: 1950, Michigan, Agriculture Questionnaire Number. Section I.—PERSON IN CHARGE, APRIL 1, 1950; AND AGRICULTURAL OPERATIONS. Section II.—OWNERSHIP, RENTAL AGREEMENT, AND LOCATION OF LAND, APRIL 1, 1950. Section III.—CROPS HARVESTED IN 1949. FOR OFFICE USE ONLY.

of law. Your Census report will be used for statistical purposes only and cannot be used for purposes of taxation, investigation, or regulation.

Bureau of the Budget No. 41-1922. Approval expires December 31, 1916.

CLOVER SEED, ALFALFA, GRASS, AND OTHER FIELD SEED CROPS:
[79] Was any clover seed, alfalfa seed, grass seed, or other field seed crops harvested last year?
[80] How much ALFALFA SEED was harvested?
[81] How much RED CLOVER SEED was harvested?
[87] How much ALSIKE CLOVER SEED was harvested?
[94] What OTHER FIELD SEED CROPS were harvested?
[95] What was the value of last year's clover seed, alfalfa grass, and other field seed crops which were or will be SOLD?

POTATOES, POPCORN, SUGAR BEETS, AND OTHER CROPS:
Which of the following crops were harvested last year?
[96] Irish Potatoes for home use or for sale?
[108] Popcorn?
[109] Sugar Beets for sugar?
[110] Mint for oil?
[113] Root and Grain Crops logged or graded, other than corn and soybeans?

VEGETABLES FOR HOME USE AND FOR SALE:
[114] Were any vegetables, sweet corn, or melons harvested last year for home use?
[115] Were any vegetables, sweet corn, or melons harvested last year for sale for market or to canners or other processors?
HOW MANY ACRES WERE HARVESTED LAST YEAR FOR SALE?
[117] Asparagus?
[118] Green beans (snap, string, or wax)?
[119] Green lima beans?
[120] Beets (table)?
[122] Cabbage?
[123] Cantaloupe and muskmelons?
[124] Carrots?
[125] Cauliflower?
[126] Celery?

148. What was the value of all vegetables SOLD last year?
(Include landholder's share. Do not include the value of Irish potatoes and sweetpotatoes sold.)

BERRIES AND OTHER SMALL FRUITS:
[149] Were any berries or other small fruits harvested last year for home use?
[150] Were any berries or other small fruits harvested last year for sale?
HOW MANY WERE HARVESTED LAST YEAR FOR SALE?
[151] Strawberries?
[152] Blackberries and dewberries (same)?
[153] Raspberries (same)?
[155] Other? Blueberries, currants, gooseberries, cranberries.

TREE FRUITS, NUTS, AND GRAPES:
[156] Are any fruit or nut trees or grapevines on this place?
[160] How much land is in bearing and nonbearing fruit orchards, groves, vineyards, and planted nut trees?

TREE FRUITS, NUTS, AND GRAPES—Continued
Which of the following kinds of fruit and nut trees are on this place?
For each kind, answer these three questions:
(1) How many are trees or vines NOT of bearing age?
(2) How many are trees or vines of bearing age?
(3) How much was harvested in 1949?
[161] APPLES?
[162] PEACHES?
[165] PEARS?
[169] SOUR CHERRIES?
[170] SWEET CHERRIES?
[171] PLUMS and PRUNES?
[178] GRAPES?
[189] OTHER TREE FRUITS and NUTS? Apricots, nectarines, quinces, black walnuts.

[203] What was the value of last year's crop of fruits and nuts, including berries and other small fruits, that were or will be SOLD?
[203a] Have all the crops harvested last year on this place (question 15) been reported?
[203b] If "No," give below the name of the crop, acres harvested, and value of amount sold.

NURSERY AND GREENHOUSE PRODUCTS, FLOWER AND VEGETABLE SEEDS AND PLANTS, AND BULBS:
[204] Were any nursery or greenhouse products, flower or vegetable seeds or plants, flowers, or bulbs grown for sale last year?
[205] How many NURSERY PRODUCTS (trees, shrubs, vines, ornamentals, etc.) did you have last year?
[206] How many FLOWERS and FLOWERING PLANTS were grown for sale?
[207] How many of the following were produced for sale: Vegetables grown under glass, flower seeds, vegetable seeds, vegetable plants, bulbs, and mushrooms?

Section IV.—LAND USE IN 1949
[208] Acres in this place—(copy acres from question 15).
Now we want to distribute this land according to how it was used last year. After you have accounted for a field or plot do not count this land again. Be sure to account for all the land. Give only whole acres.
[209] From how many acres of land were CROPS HARVESTED (including hay cut) last year?
To BE FILLED BY CENSUS ENUMERATOR:
(a) Add acres of all crops (with \* in Section III) and enter total here.
(b) From how many acres of land were two crops harvested last year?
(c) Subtract the acres for (b) from (a) and enter difference here.

[210] How many acres of cropland were used only for pasture (or grazing) last year?
[212] How many acres of cropland have not been accounted for?
[213] How many acres of woodland were pastured (or grazed) last year?
[214] How many acres of woodland were not pastured (or grazed) last year?
[215] How many acres were in other pasture (other than cropland pastured and woodland pastured)?
[216] How many acres were in house lots, barn lots, lanes, roads, ditches, and wasteland?

Section V.—YEAR BEGAN OPERATION, AND OFF-FARM WORK AND OTHER INCOME IN 1949
[217] When did you begin to operate this place?
OFF-FARM WORK AND OTHER INCOME:
[218] How many days did you work last year of your farm?
[219] Did any other member of your family living with you have a nonfarm job, business, profession, or work on someone else's farm last year?
[220] Did you have any income last year from any of the following sources?
[221] Was the income which you and your family received from work off the farm and from other sources (listed in questions 218, 219, and 220) greater than the total value of all agricultural products sold from your place last year?

Section VI.—IRRIGATION IN 1949
[222] Of the total land in this place (reported in question 208), how many acres were IRRIGATED last year?
[223] How many acres in this place were irrigated by sprinklers last year?

THE QUESTIONNAIRE

**Section VII.—FOREST PRODUCTS IN 1949**

**[230]** How much was received last year from the sale of standing timber?  None sold  \$ \_\_\_\_\_/00 (Dollars only)

**231.** Were any forest products cut last year? (We want a report of the firewood, fence posts, sawlogs, etc. cut for home use or for sale.)  No  Yes  
If "No," check and skip to question **[239]**.

**232.** How much FIREWOOD was cut last year on this place?  None Cords \_\_\_\_\_ (4' x 4' x 4')

**233.** How many FENCE POSTS were cut last year on this place?  None Number \_\_\_\_\_

**234.** How many SAWLOGS and VENEER LOGS were cut last year on this place?  None Board feet \_\_\_\_\_

**235.** How much PULPWOOD was cut last year on this place?  None Cords \_\_\_\_\_

**236.** How many PILING and POLES were cut last year on this place?  None Number \_\_\_\_\_

**237.** How much was received last year from the sale of firewood, fence posts, logs, lumber, pulpwood, and piling and poles?  None sold  \$ \_\_\_\_\_/00 (Dollars only)

**238.** How much was received last year from the sale of bark, bolts, Christmas trees, heath trees, mine timber, and other miscellaneous forest products?  None sold  \$ \_\_\_\_\_/00 (Dollars only)

**[239]** How many MAPLE TREES were TAPPED last year?  None Number \_\_\_\_\_  
If "None," check and skip to question **[243]**.

**240.** How much MAPLE SIRUP was made last year? Gallons \_\_\_\_\_

**241.** How much MAPLE SUGAR was made last year? Pounds \_\_\_\_\_

**242.** How much was received last year from the sale of maple sirup and maple sugar?  None sold  \$ \_\_\_\_\_/00 (Dollars only)

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**Section VIII.—PASTURE RECEIPTS IN 1949**

**[243]** How much was received last year from the sale of pasture or grazing privileges?  None  \$ \_\_\_\_\_/00 (Livestock received for others on a per-head basis, at so much per month, etc.) (Dollars only)

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**Section IX.—LIVESTOCK ON THIS PLACE APRIL 1, 1950, AND LIVESTOCK PRODUCTION IN 1949**  
Include all animals on this place owned by you and by others.

**MULES AND HORSES, APRIL 1, 1950:**

**248.** Are any mules, horses, or ponies on this place?  No. If "No," check and skip to question **[248]**.  Yes

**246.** How many are MULES and MULE COLTS of all ages? (Number) \_\_\_\_\_

**247.** How many are HORSES and COLTS of all ages, including ponies? (Number) \_\_\_\_\_

**CATTLE AND CALVES, APRIL 1, 1950:**

**[248]** How many cattle and calves of all ages are on this place? (Include all calves and cows, both dairy and beef, on this place.)  None (Number) \_\_\_\_\_  
If "None," check and skip to question **[248]**.

**OF THE TOTAL CATTLE AND CALVES ON THIS PLACE—**

**249.** How many are COWS? Include heifers that have calved. (Number) \_\_\_\_\_

**250.** How many are CALVES born since Jan. 1, this year? (Number) \_\_\_\_\_ (Include only the calves that are on this place.)

**251.** How many are heifers and heifer calves born before Jan. 1, this year? (Do not include any heifers that have calved.) (Number) \_\_\_\_\_

**252.** How many are bulls, bull calves, steers, and steer calves born before Jan. 1, this year? (The total of the numbers for questions 249 to 252 must equal the number for question 248.) (Number) \_\_\_\_\_

**COWS MILKED YESTERDAY:**

**253.** How many COWS and HEIFERS were MILKED YESTERDAY?  None (Number) \_\_\_\_\_

**254.** How many MILK COWS were on this place yesterday? Include dry milk cows and milk heifers that have calved.  None (Number) \_\_\_\_\_

**255.** How many gallons of MILK were produced yesterday? (Gallons) \_\_\_\_\_

**256.** How many pounds of BUTTER were CHURNED last week?  None (Pounds) \_\_\_\_\_

**HOGS AND PIGS, APRIL 1, 1950:**

**[257]** How many hogs and pigs of all ages, including sows and boars, are on this place?  None (Number) \_\_\_\_\_  
If "None," check and skip to question **[260]**.

**258.** How many are less than 4 months old? (Number) \_\_\_\_\_

**259.** How many are 4 months old and over? (Number) \_\_\_\_\_ (The total of the numbers for questions 258 and 259 must equal the number for question 257.)

**SHEEP AND LAMBS, APRIL 1, 1950:**

**[260]** How many ewes, rams, wethers, and lambs of all ages are on this place?  None (Number) \_\_\_\_\_  
If "None," check and skip to question **[272]**.

**261.** Of the total, how many are LAMBS born since Oct. 1, last year? (Number) \_\_\_\_\_

**262.** Of the total sheep and lambs born before Oct. 1, last year, how many are—  
(a) EWES? (Number) \_\_\_\_\_  
(c) RAMS and WETHERS? (Number) \_\_\_\_\_ (The total of the numbers for questions 261 to 262 (c) must equal the number for question 260.)

**GOATS, RABBITS, AND FUR ANIMALS IN CAPTIVITY:**

**[272]** Are any of the following on this place or were any kept last year—  
(a) GOATS?  No  Yes  
(b) DOMESTIC RABBITS?  No  Yes  
(c) FUR ANIMALS in captivity?  No  Yes  
If "No" in (a), (b), and (c), check and skip to question **[274]**.

**273.** What was the value of mohair clipped; and what was the value of goats and kids, goat milk, rabbits (alive or dressed), fur animals, and pelts SOLD in 1949?  None  \$ \_\_\_\_\_/00 (Dollars only)

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**SOWS AND GILTS FARROWING:**

**[274]** How many sows and gilts have farrowed since December 1, last year?  None (Number) \_\_\_\_\_

**275.** How many sows and gilts are expected to farrow between now and June 1, this year?  None (Number) \_\_\_\_\_

**ANIMALS SOLD ALIVE IN 1949:**

**WHICH OF THE FOLLOWING ANIMALS WERE SOLD ALIVE LAST YEAR (1949)—**  
(Report as sold animals received by or sold for your landlord. Report all sales for last year whether or not made from this place.)

For each kind, answer these two questions →	(1) How many were sold?	(2) What was the value of sales in 1949?
<b>276.</b> HOGS and PIGS sold (last year, 1949)? <input type="checkbox"/> None	(Number) _____	\$ _____/00 (Dollars only)
<b>277.</b> CALVES sold (last year, 1949)? <input type="checkbox"/> None	(Number) _____	\$ _____/00 (Dollars only)
<b>278.</b> CATTLE, not counting calves, sold (last year, 1949)? <input type="checkbox"/> None	(Number) _____	\$ _____/00 (Dollars only)
<b>279.</b> SHEEP and LAMBS sold (last year, 1949)? <input type="checkbox"/> None	(Number) _____	\$ _____/00 (Dollars only)
<b>280.</b> HORSES and MULES sold (last year, 1949)? <input type="checkbox"/> None	(Number) _____	\$ _____/00 (Dollars only)

**FARM BUTCHERING IN 1949:**

**281.** Were any hogs, calves, cattle, sheep, or lambs butchered last year on your place or for you?  No. If "No," check and skip to question **[287]**.  Yes

**282.** How many HOGS and PIGS were butchered last year?  None (Number) \_\_\_\_\_

**283.** How many CALVES were butchered last year?  None (Number) \_\_\_\_\_

**284.** How many CATTLE, not counting calves, were butchered last year?  None (Number) \_\_\_\_\_

**286.** How much was received from the sale of meat, lard, hides, and other products from animals butchered last year (1949)? (Report as sold any meat or meat products received by or sold for your landlord.)  None sold  \$ \_\_\_\_\_/00 (Dollars only)

**DAIRY PRODUCTS SOLD IN 1949:**  
(Report all sales for last year whether or not made from this place. Report as sold dairy products received by or sold for your landlord.)

**[287]** Was any milk, cream, butter, or cheese sold last year (1949)?  No. If "No," check and skip to question **[291]**.  Yes

**288.** How much WHOLE MILK was sold last year?  None  sold (1 lb. of milk OR 2 lb. of butterfat OR 3 Gallons of milk) Value of sales in 1949 \$ \_\_\_\_\_/00 (Dollars only)

**289.** How much CREAM was sold last year?  None  sold Pounds of butterfat Value of sales in 1949 \$ \_\_\_\_\_/00 (Dollars only) (If cream sold by gallon, multiply the number of gallons by 24 to get pounds of butterfat.)

**290.** How much was received from the sale of BUTTER, BUTTERMILK, SKIM MILK, and CHEESE last year? Do not include whole milk and cream.  None sold  \$ \_\_\_\_\_/00 (Dollars only)

**WOOL SHORN IN 1949:**

**[291]** How many sheep and lambs were shorn last year (1949)?  None (Number) \_\_\_\_\_  
If "None," check and skip to question **[294]**.

**292.** How many pounds of wool were shorn last year (1949)? (Pounds) \_\_\_\_\_

**293.** What was the value of the wool shorn last year (1949)? \$ \_\_\_\_\_/00 (Dollars only)

**POULTRY, APRIL 1, 1950, AND PRODUCTION IN 1949:**

**[294]** Are any chickens, turkeys, or other poultry on this place or were any kept last year?  No. If "No," check and skip to question **[302]**.  Yes

**295.** How many CHICKENS, 4 months old and over, are on this place? (Hens, pullets, roosters, etc.)  None Number on hand \_\_\_\_\_

**296.** How many CHICKENS, including old hens and roosters, pullets, cockerels, and broilers, were SOLD last year? (Do not include baby chicks.)  None Number \_\_\_\_\_ Value of sales in 1949 \$ \_\_\_\_\_/00 (Dollars only)

**297.** How many dozens of chicken EGGS were SOLD last year?  None Dozens \_\_\_\_\_ Value of sales in 1949 \$ \_\_\_\_\_/00 (Dollars only)

**298.** How many TURKEYS were RAISED last year? (Exclude those raised from poulters bought, hatched on this place, or raised under contract, whether sold, dressed, or now on hand.)  None Number raised \_\_\_\_\_

**299.** How many TURKEYS, 4 months old and over, are on this place?  None Number on hand \_\_\_\_\_

**300.** How many DUCKS, GEESE, and other poultry (not counting chickens and turkeys) were RAISED last year?  None (Give name) Number raised \_\_\_\_\_

**301.** How much was received from the sale of TURKEYS and TURKEY EGGS, and DUCKS, GEESE, and THEIR EGGS last year? (Do not include chickens and chicken eggs.)  None  sold 1949 \$ \_\_\_\_\_/00 (Dollars only)

MICHIGAN

**BEEES AND HONEY IN 1949:**  
 [303] Were any bees owned by you last year?  No. If "No," check and skip to question [306].  Yes

303. How many hives of BEES did you own last year? Number \_\_\_\_\_

304. How many pounds of HONEY were produced last year by your bees? Pounds \_\_\_\_\_

305. What was the value of last year's honey and wax SOLD or to be sold, and bees SOLD?  None  sold Value of sales in 1949 @ \$ \_\_\_\_\_/100 (Dollars only)

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**Section X.—FACILITIES AND EQUIPMENT, APRIL 1, 1950**  
 Include equipment and facilities that are temporarily out of order.

[306] Is there a TELEPHONE on this place?  No  Yes

307. Do you have a MILKING MACHINE?  No  Yes

308. Does this place have ELECTRICITY?  
 (a)  No. If "No," check and skip to question [310].  
 (1)  Yes, from a power line. What was the amount of your last monthly electric bill? \$ \_\_\_\_\_ (Dollars) (Cents) \_\_\_\_\_  
 (2)  Yes, from a home plant.

309. DO YOU HAVE—  
 (a) Electric water pump?  No  Yes  
 (b) Electric hot water heater?  No  Yes (includes only heaters with hot water storage tanks)  
 (c) Home freezer?  No  Yes (For quick freezing and storing food. Do not include refrigerators.)  
 (d) Electric washing machine?  No  Yes  
 (e) Electric chick brooder?  No  Yes  
 (f) Electric power feed grinder?  No  Yes

[310] HOW MANY OF THE FOLLOWING ARE ON THIS PLACE—  
 Include all equipment kept on this place owned by you or by others.

Number	Year of latest model
(a) Grain combines? (For harvesting and threshing grain or seeds in one operation.)	
(b) Corn pickers?	
(c) Pick-up hay balers?	
(d) Upright silos?	
(e) Pit or trench silos?	
(f) Motortrucks? (Include pick-ups.)	
(g) Wheel tractors other than garden? (If none, enter 114 under year of latest model.)	
(h) Garden tractors?	x x x x
(i) Crawler tractors? (Track laying, caterpillar.)	
(j) Automobiles? (Includes all automobiles belonging to you, hired workers, or others living on this place.)	

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**Section XI.—FARM LABOR LAST WEEK**

311. About how many hours last week did you (the person in charge of this place) do farm work or chores on this place? (Check one)  
 1.  None  
 2.  1 to 14 hours  
 3.  15 to 24 hours  
 4.  25 to 34 hours  
 5.  35 to 54 hours  
 6.  55 hours or more

312. How many OTHER MEMBERS OF YOUR FAMILY worked on this place 15 hours or more during last week at farm work or chores, WITHOUT RECEIVING CASH WAGES?  None (Persons)  
 (Do not include housework.)

313. How many HIRED PERSONS worked any time last week on this place at farm work or chores?  None (Persons)  
 (Include members of your family receiving cash wages.)  
 If "None," check and skip to question [316].

314. How many of these hired persons working last week do you expect to employ for—  
 (a) 150 days or more during the year? \_\_\_\_\_ (Persons)  
 (b) Less than 150 days during the year? \_\_\_\_\_ (Persons)  
 (The total of the numbers for questions 314 (a) and (b) must equal the number for question 313.)

315. What is the present rate of pay and hours of work of these hired persons (question 313)? (Enter information below.)

(a)	(b)	(c)	(d)
How many of these hired persons were paid on a—	What was the agreed cash rate of pay? (If more than one person, give average)	How many hours per person are these workers expected to work to earn this pay?	What, other than cash wages, did these workers receive? (Check all that apply.)
Monthly basis? _____ (Persons)	\$ _____ (Per month)	_____ hours per month	<input type="checkbox"/> House <input type="checkbox"/> Other <input type="checkbox"/> Board and room <input type="checkbox"/> None
Weekly basis? _____ (Persons)	\$ _____ (Per week)	_____ hours per week	<input type="checkbox"/> House <input type="checkbox"/> Other <input type="checkbox"/> Board and room <input type="checkbox"/> None
Daily basis? _____ (Persons)	\$ _____ (Per day)	_____ hours per day	<input type="checkbox"/> House <input type="checkbox"/> Other <input type="checkbox"/> Board and room <input type="checkbox"/> None
Hourly basis? _____ (Persons)	\$ _____ (Dollars and cents per hour)	XXXXXXXXXXXXXXXXXX	<input type="checkbox"/> Board and room <input type="checkbox"/> None <input type="checkbox"/> House <input type="checkbox"/> Other
Piecework basis? _____ (Persons)	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	<input type="checkbox"/> Board and room <input type="checkbox"/> None

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**Section XII.—EXPENDITURES IN 1949**  
 If you are renting land from others, include all expenses paid by you and by your landlord.

[316] How much was spent last year for MACHINE HIRE? (Includes tractor hire, threshing, combining, silo filling, baling, plowing, and spraying.)  None \$ \_\_\_\_\_/100 (Dollars only)

317. How much was spent last year for HIRED LABOR? (Do not include housework, custom work, or contract construction work. Includes cash payments only.)  None \$ \_\_\_\_\_/100 (Dollars only)

318. How much was spent last year for FEED for livestock and poultry? (Includes cost of grain, hay, mill feeds, concentrates, and roughage, also amounts paid for grinding and mixing feed.)  None \$ \_\_\_\_\_/100 (Dollars only)

319. How much was spent last year for PURCHASE OF LIVESTOCK AND POULTRY (including baby chicks)?  None \$ \_\_\_\_\_/100 (Dollars only)

320. How much was spent last year for GASOLINE and other petroleum FUEL and OIL for the farm business?  None \$ \_\_\_\_\_/100 (Dollars only)

321. How much was spent last year for SEEDS, BULBS, PLANTS, and TREES?  None \$ \_\_\_\_\_/100 (Dollars only)

322. How much was spent last year for TRACTOR REPAIRS, including cost of repairing parts, tires, tubes, and batteries?  None \$ \_\_\_\_\_/100 (Dollars only)

323. How much was spent last year for FARM MACHINERY REPAIRS other than for tractors, motortrucks, and automobiles?  None \$ \_\_\_\_\_/100 (Dollars only)

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**Section XIII.—MISCELLANEOUS INFORMATION, APRIL 1, 1950**

**TRADING CENTER:**  
 324. What is the distance to the trading center to which you go most frequently?  Less than 1 mile OR Miles \_\_\_\_\_ (Which miles)  
 (a) Of this distance, how much is over dirt or unimproved roads?  None OR Miles and tenths of a mile \_\_\_\_\_/10

**KIND OF ROAD:**  
 325. On what kind of road is this place located? (Check one)  
 1.  Hard surface  
 2.  Gravel, shell, or shale  
 3.  Dirt or unimproved

**VALUE, DEBT, AND TAXES:**  
 (When reporting the value of the land, give the approximate amount for which the land and buildings paid it would sell. Do not report assessed values. Give either value per acre or total value.)

**LAND OWNED BY YOU:**  
 326. Enter here answer for question 8.  None \_\_\_\_\_ (Acre) If "None," skip to question [329].  
 (a) How much would this land and the buildings on it sell for? \$ \_\_\_\_\_ (Per acre) OR \$ \_\_\_\_\_/100 (Total value, dollars only)

327. Is there any MORTGAGE DEBT on the land and buildings owned by you?  No  Yes. How much? \$ \_\_\_\_\_/100 (Dollars only)

328. What was the total amount of property taxes paid (or payable) in 1949 on all property owned by you? \_\_\_\_\_ (Dollars only) None  required (Include only taxes on real estate and personal property.)  
 (a) Of this total, what was the amount of taxes on the land and buildings? \$ \_\_\_\_\_/100 (Dollars only) Not shown separately on tax bill  on tax bill

**LAND RENTED FROM OTHERS:**  
 329. Enter here answer for question 9.  None \_\_\_\_\_ (Acre) If "None," skip to question [331].  
 (a) How much would this land and the buildings on it sell for? \$ \_\_\_\_\_ (Per acre) OR \$ \_\_\_\_\_/100 (Total value, dollars only)

330. If you pay any cash as rent, what is the amount for the year? \$ \_\_\_\_\_/100 (Dollars only)

**LAND MANAGED FOR OTHERS:**  
 331. Enter here answer for question 13.  None \_\_\_\_\_ (Acre) If "None," skip to question [332].  
 (a) How much would this land and the buildings on it sell for? \$ \_\_\_\_\_ (Per acre) OR \$ \_\_\_\_\_/100 (Total value, dollars only)

**LAND RENTED TO OTHERS:**  
 332. Enter here answer for question 14.  None \_\_\_\_\_ (Acre) If "None," skip to question [335].  
 (a) How much would this land and the buildings on it sell for? \$ \_\_\_\_\_ (Per acre) OR \$ \_\_\_\_\_/100 (Total value, dollars only)

333. Who furnished the information given in this report? (Check which)  
 Operator;  Wife or other member of operator's family;  Landlord;  Hired laborer;  Neighbor;  Other (Give name under REMARKS)

334. On what date was this questionnaire filled? \_\_\_\_\_/\_\_\_\_\_/1950 (Give month and day)

**REMARKS:**

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**ENUMERATOR'S RECORD—To be filled by Census Enumerator.**  
 STATE Michigan COUNTY \_\_\_\_\_ E. D. No. \_\_\_\_\_  
 TOWNSHIP \_\_\_\_\_  
 Is this place in the agriculture sample?  No  Yes  
 Have you reviewed each section of this questionnaire?  No  Yes  
 Certified by \_\_\_\_\_ Date \_\_\_\_\_/\_\_\_\_\_/1950 (Enumerator) (Month) (Day)  
 Checked by \_\_\_\_\_ Date \_\_\_\_\_/\_\_\_\_\_/1950 (Crew Leader) (Month) (Day)

# INDEX TO TABLES

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Item	Tables			Item	Tables		
	State	County	Economic area		State	County	Economic area
Abnormal farms.....	22, 27	7	8, 12	Facilities and equipment, specified.....			
Age of farm operator.....	5, 15	.....	1, 5-8	Fallow land. See Cultivated summer fallow.	7, 13, 15	3, 6	5-8
Alfalfa.....	12	5	.....	Farm labor.....	9, 13, 15, 19-22, 24-27	3, 6	2, 5-8
Almonds.....	12	5	.....	by color and tenure.....	20	.....	.....
Alsike clover seed.....	12	5	.....	by economic class.....	22	.....	.....
Angora goats and kids.....	11	4	.....	by size of farm.....	19	.....	.....
Animals, domestic.....	11, 13, 16	4, 6	3, 9-12	by type of farm.....	22	.....	.....
Animals, fur (in captivity).....	11	4	.....	Farm operators:	21	.....	.....
Annual legumes, specified.....	12	5	.....	by age.....	5, 15	.....	1, 5-8
Apiaries.				by color.....	3, 5, 14-16	2	.....
See Bees.				by residence.....	5, 15	1, 6	1, 5-8
Apples.....	12	5	4	by tenure.....	3, 13-16, 20, 25	2	6, 9-12
Apricots.....	12	5	.....	by years on farm.....	5, 15	.....	1, 5-8
Area, approximate land.....	1	1	1	Farm products, value of.....	11-13	4-7	3, 9-12
Asparagus.....	12	5	.....	Farm property, specified, value of.....	1, 4, 13, 15, 17, 18	.....	5-8
Automobiles.....	7, 8, 15	3, 6	5-8	Farm slaughter.....	11	4	3
Barley.....	12	5	.....	by class of work power.....	1, 2, 12-15, 24	1, 6, 7	1, 5-8
Beans.....	12	5	.....	by color of operator.....	1	3	5-8
Bees.....	11	4	.....	by economic class.....	3, 5, 14-16	1, 2, 2a	.....
Beets.....	12	5	.....	by kind of rood.....	13, 16, 27	7	8-12
Berries, specified.....	12	5	.....	by kind of workers.....	7	3	5-8
Blackberries, tame (included with				by size of farm.....	9	3, 6	2, 5-8
Blackberries and dewberries).....	12	5	.....	by tenure of operator.....	2, 13, 16	2	5, 8-12
Blueberries (tame and wild).....	12	5	.....	by total value of products sold.....	3, 5, 13-16	2, 2a	6, 8-12
Boysenberries (included with Logan-				by type of farm.....	13, 16	7	3, 9-12
berries and youngberries).....	12	5	.....	Feed, expenditures for.....	13, 16, 22, 27	7	7, 9-12
Buckwheat.....	12	5	.....	Fence posts.....	9, 13, 15	3, 6	5-8
Bulbs. See Nursery and greenhouse products.				Field and seed beans, dry.....	12	5	.....
Butchered animals.....	11	4	3	Field and seed peas, dry.....	12	5	.....
Butter.....	11, 13	4	.....	Field-crop farms.....	12	5	.....
Buttermilk sold (included with Butter,				Field crops.....	13, 16, 21, 26	7	7, 9-12
buttermilk, skim milk, and cheese sold)....	11, 13	4	.....	Figs.....	12, 13, 16	5, 7	4, 9-12
Cabbage.....	12	5	.....	Filberts (included with Filberts and	12	5	.....
Calves. See Cattle and calves.				hazelnuts).....	12	5	.....
Cane, sugar.....	12	5	.....	Firewood and fuelwood.....	12	5	.....
Cantaloups and muskmelons.....	12	5	.....	Flaxseed.....	12	5	.....
Carrots.....	12	5	.....	Flowers and flowering plants.....	12	5	.....
Cash-grain farms.....	16, 21, 26	7	7, 9-12	Forest products.....	12	5	.....
Cash rent.....	4, 17	.....	.....	Fruit-and-nut farms.....	12, 13, 16, 21, 23	5, 7	9-12
Cash tenants.....	3, 14-16, 20, 25	2	6, 9-12	Fruits and nuts.....	12, 13	7	7, 9, 10, 12
Cash wages paid for farm labor.....	9, 19-23	3, 6	2, 5-8	Full owners.....	12, 13	5, 7	4, 9-12
Cattle and calves.....	11, 13, 16	4, 6	3, 9-12	Fur animals in captivity.....	3, 13-16, 18, 20, 25	1a, 2, 2a, 6	6, 9-12
Cauliflower.....	12	5	.....		11	4	.....
Celery.....	12	5	.....	Gasoline and other petroleum fuel and			
Cherries.....	12	5	.....	oil, expenditures for.....	9, 13, 15	3, 6	5-8
Cheese sold (included with Butter,				Gene raised.....	11	4	.....
buttermilk, skim milk, and cheese sold)....	11, 13	4	.....	General farms.....	13, 16, 21, 26	7	7, 9, 10, 12
Chick brooder, electric.....	15	3	5-8	Gilts. See Sows and gilts.			
Chicken eggs sold.....	11, 13, 16	4, 6	3, 9-12	Goats and kids.....	11	4	.....
Chickens.....	11, 13, 16	4, 6	3, 9-12	Gooseberries.....	12	5	.....
Citrus fruits, specified.....	12	5	.....	Grain combines.....	12	3	5-8
Classification, farm:				Grains.....	7, 13, 15	5	.....
by color of operator.....	3, 5, 16	2	.....	Grapefruit.....	12	5	.....
by economic class.....	13, 16, 27	7	9-11	Grapes.....	12	5	.....
by size.....	2, 13, 16	2	5, 8-12	Grasses (tame or wild).....	12	5	.....
by tenure of operator.....	3, 13, 16	2	6, 9-12	Grazing permits, operators with.....	12	5	.....
by type.....	13, 16	7	7, 9-12	Grazing privileges, receipts from.....	14	2	.....
by value of products sold.....	13, 16	7	9-12	Green peas (English).....	12	5	.....
by work power.....	7, 15	.....	5-8	Greenhouse products. See Nursery and			
Clover.....	12	5	.....	greenhouse products.....			
Color and tenure of operator.....	3, 5, 13, 14	2	6, 9-12	Hay, all kinds.....	12	5	4
Commercial farms.....	13, 16, 17, 22, 27	6	8-12	Hay balers, pick-up.....	13, 15	3	5-8
Corn.....	12, 13, 16	5, 6	4, 9-12	Hazelnuts (included with Filberts			
Corn pickers.....	13, 15	2, 3, 6	5-8	and hazelnuts).....	12	5	.....
Cotton.....	12, 16, 21, 26	5, 7	8-10, 12	Heifers (included with Cows and			
Cotton farms.....	16	5, 7	7-12	heifers).....	11, 13, 16	4, 6	3, 9-12
Cottonseed (included with Cotton sold).....	.....	5	.....	Ibred labor, expenditures for.....	9, 13, 15, 19-22	3, 6	2, 5-8
Cowpeas.....	12	5	.....	Ibred workers.....	19, 20, 22-25, 27	.....	2
Cows and heifers.....	11, 13, 16	4, 6	3, 9-12	Ives of hens. See Bees.			
Cream sold.....	11, 13	4	3	Iogs and pigs.....	11, 13, 16	4, 6	3, 9-12
Crop and livestock farms, general.....	16, 21, 26	7	7, 9-12	Iome freezers.....	15	3	5-8
Cropland.....	1, 4, 12-15, 17, 18	1, 1a, 6	5-8	Honey.....	11	4	.....
Crop-share tenants.....	3, 14-16, 20, 25	2	6, 9-12	Hops.....	12	5	.....
Croppers (separately for South only).....	3, 14-16, 20-25	2	6, 9-12	Horses and colts.....	12	4	.....
Crops harvested. See individual crops.....	12, 16	5-7	4, 9-12	Horses and mules.....	11, 13, 16	4, 6	3, 9-12
Cucumbers.....	12	5	.....	Horticultural specialties. See Nursery			
Cultivated summer fallow.....	14, 15	1	5-8	and greenhouse products.....	8, 12, 13, 16	5, 7	9-12
Dairy farms.....	13, 16, 21, 26	7	7, 9-12	Hot water heater, electric.....	15	3	5-8
Dairy products.....	11, 13	4, 6, 7	3, 9-12	Income, farm. See Value of farm			
Date of enumeration.....	6	4	.....	products sold.....	12, 13, 15, 16	4, 5	3, 5, 9-12
Days worked off farm.....	5, 15	1	1, 5-8	Irish potatoes.....	12	5, 6	4
Dewberries, tame (included with				Irrigated land.....	1, 13, 14, 15	1, 1a	5-8
Blackberries and dewberries).....	12	5	.....	Kids. See Goats and kids.			
Dry field and seed beans.....	12	5	.....	Lambs. See Sheep and lambs.			
Dry field and seed peas (other than				Land and buildings, value of.....	1, 4, 13, 15, 17, 18	1, 1a, 6	5-8
Austrian winter peas).....	12	5	.....	Land area, approximate.....	1	1	1
Ducks raised.....	11	4	.....	Land in farms.....	1, 2, 4, 13-15, 17, 18	1, 1a, 2, 6	1, 5-9
Durum and macaroni wheat.....	12	5	.....	Land in fruit orchards, vineyards,			
Economic class of farm.....	13, 16, 27	7	8-12	and planted nut trees.....	12	5, 6	4
Eggs.....	11, 13, 16	4, 6	3, 9-12	Land in irrigated farms.....	.....	1a	.....
Electricity.....	7, 15	3, 6	5-8	Land pastured.....	1, 14, 15	1, 1a	5-8
Emmer and spelt.....	12	5	.....	Large farms.....	12	13	.....
English or Persian walnuts.....	12	5	.....	Legumes, specified annual.....	12	5	.....
Essex.....	11	4	.....	Lemons.....	12	5	.....
Expenditures, farm.....	8, 9, 13, 15, 19-22	3, 6	2, 5-8				

Item	Tables			Item	Tables		
	State	County	Economic area		State	County	Economic area
Lespedeza.....	12	5	.....	Residential farms.....	22, 27	7	8, 12
Lettuce (included with Lettuce and romaine).....	12	5	.....	Rice.....	12	5	.....
Lima beans.....	12	5	.....	Road, kind of.....	7, 15	3, 6	5-8
Limes.....	12	5	.....	Root and grain crops hogged or grazed.....	12	5	.....
Livestock and livestock products sold.....	11, 13	4, 7	3, 9	Rye.....	12	5	.....
Livestock butchered.....	11	4	3	Ryegrass.....	12	5	.....
Livestock farms, other than dairy and poultry.....	13, 16, 21, 26	7	7, 9, 10, 12	Sales of livestock (sold alive).....	11, 13, 16	4, 6	9-12
Livestock-share tenants.....	14-16, 20, 25	2	6, 9-12	Sampling, reliability of.....	28, 29	.....	.....
Livestock, specified.....	11, 13, 16	4	3, 9, 11	Sawlogs and veneer logs.....	12	5	.....
Livestock sold alive.....	11, 13, 16	4, 6	9-12	Seed beans, dry field and.....	12	5	.....
Loganberries (included with Boysenberries and youngberries).....	12	5	4	Seed peas, dry field and.....	12	5	.....
Lupine seed.....	12	5	.....	Seeds.....	12	5	.....
Machine hire, expenditures for.....	13, 15	3, 6	5-8	Share-cash tenants.....	3, 14-16, 20, 25	2	6, 9-12
Machinery, farm.....	7, 8, 13, 15	3, 6	5-8	Share tenants and croppers.....	3, 14-16	2	9, 11, 12
Managed land.....	1, 14, 15	1	5-8	Sheep and lambs.....	11, 13	4	.....
Managers.....	3, 13-16, 20, 25	1a, 2, 2a, 6	6, 9-12	Silage.....	12	5	.....
Mandarins (included with Tangerines and mandarins).....	12	5	.....	Silos.....	15	3	5-8
Maple sirup.....	12	5	.....	Sirup.....	12	5	.....
Maple sugar.....	12	5	.....	Size of farm.....	2, 13, 16, 19, 24	2	1, 5, 8-12
Maple trees tapped.....	12	5	.....	Slaughter, farm.....	.....	4	3
Milk.....	11, 13	4	3	Small fruits.....	12	5	.....
Milk cows.....	11, 13, 16	4, 6	3, 9-12	Small grains.....	12	5	.....
Milking machine.....	7, 15	3	5-8	Snap beans.....	12	5	.....
Millet.....	12	5	.....	Sorghums.....	12	5	4
Mint for oil.....	12	5	.....	Sows and gilts.....	11, 13	4, 6	3
Miscellaneous and unclassified farms.....	13, 16, 21, 26	7	7, 10, 12	Soybeans.....	12	5	.....
Mixed grains.....	12	5	.....	Specified facilities. See Facilities and equipment.....	.....	.....	.....
Mohair.....	11	4	.....	Specified farm expenditures.....	13, 15	3, 6	2, 5-8
Motortrucks.....	7, 8, 13, 15	3	5-8	Spinach.....	12	5	.....
Mules and mule colts.....	11	4	.....	Spring wheat.....	12	5	.....
Mungbeans.....	12	5	.....	Squash.....	12	5	.....
Navy beans.....	12	5	.....	Steers and bulls.....	11	4	.....
Nonwhite farm operators.....	3, 15, 16	2, 2a	.....	Strawberries.....	12	5	.....
Nursery and greenhouse products.....	8, 12, 13, 16	5, 7	.....	String beans.....	12	5	.....
Nuts, specified.....	12	5	.....	Sudan grass.....	12	5	.....
Oats.....	12	5	.....	Sugar beets, for sugar.....	12	5	.....
Off-farm work.....	5, 15	1, 6	1, 5-8	Sugarcane.....	12	5	5-8
Olives.....	12	5	.....	Summer fallow, cultivated.....	14, 15	1	5-8
Onions.....	12	5	.....	Sweetclover.....	12	5	.....
Operators, farm:	.....	.....	.....	Sweet corn.....	12	5	.....
by age.....	5, 15	.....	1, 5-8	Sweetpotatoes.....	12	5	.....
by color.....	3, 5, 14-16	2	.....	Tangerines and mandarins.....	12	5	.....
by residence.....	5, 15	1, 6	1, 5-8	Taxes, farm.....	10, 18	.....	.....
by tenure.....	3, 13-16, 20, 25	2	6, 9-12	Telephone.....	7, 15	3, 6	5-8
by years on present farm.....	5, 15	.....	1, 5-8	Tenants.....	3, 13, 14-16, 20, 25	2	6, 9-12
Oranges.....	12	5	.....	Tenure of farm operator.....	3, 13-16, 20, 25	2, 6	6, 9-12
Owned land.....	1, 14, 15, 18	1	5-8	Timber.....	12, 16	5	.....
Part owners.....	3, 4, 13-18, 20, 25	1a, 2, 2a, 6	6, 9-12	Timothy.....	12	5	.....
Part-time farms.....	22, 27	7	8, 12	Tobacco.....	12	5	.....
Pasture.....	1, 13-15	1, 1a	5-8	Tomatoes.....	12	5	.....
Pasture receipts.....	12	5	.....	Tractors.....	7, 8, 15	3, 6	5-8
Peaches.....	12	5	4	Tractor repairs.....	.....	3	5-8
Peanuts.....	12	5	.....	Trading center, distance to.....	7	3	.....
Pears.....	12	5	.....	Tree fruits, nuts, and grapes. See individual crops.....	12	5	.....
Peas.....	12	5	.....	Tung nuts.....	12	5	.....
Pecans.....	12	5	.....	Turkeys.....	11	4	.....
Pelts. See Fur animals in captivity.....	.....	.....	.....	Type of farm.....	13, 21, 26, 27	7	7, 9, 10, 12
Peppers.....	12	5	.....	Unclassified farms.....	13	7	9-12
Perquisites furnished hired workers.....	23, 24	.....	2	Uses of land.....	1, 13-15	1, 1a	5-8
by color and tenure.....	25	.....	.....	Values:	.....	.....	.....
by economic class.....	27	.....	.....	crops.....	12	5, 7	9-12
by size of farm.....	24	.....	.....	farm products sold.....	11, 12, 13	4, 7	3, 9-12
by type of farm.....	26	.....	.....	farms (land and buildings).....	1, 13, 15, 18	1, 1a, 6	5-8
Pigs. See Hogs and pigs.....	.....	.....	.....	livestock.....	11	4, 6	3, 9-12
Piling and poles.....	12	5	.....	vegetable farms.....	13, 16, 21, 26	7	7, 9-12
Pimientos.....	12	5	.....	vegetables.....	12	5	.....
Plums and prunes.....	12	5	.....	velvetbeans.....	12	5	.....
P popcorn.....	12	5	.....	vetches for seed.....	12	5	.....
Potatoes.....	12	5, 6	.....	Vineyards. See Land in fruit orchards, vineyards, and planted nut trees.....	12	5	.....
Poultry.....	11, 13, 16	4, 6, 7	3, 9-12	Wages paid, cash.....	9, 19-23	3, 6	2, 5-8
Poultry farms.....	13, 16, 21, 26	7	7, 9-12	Walnuts (English or Persian).....	12	5	.....
Power feed grinder, electric.....	15	3	5-8	Washing machine, electric.....	7, 15	3	5-8
Power line, electric.....	7, 15	3	5-8	Water pump, electric.....	7, 15	3	5-8
Products, farm, value of.....	11-13	4, 5	3, 9-12	Watermelons.....	12	5	.....
Proso millet.....	12	5	.....	Wax beans.....	12	5	.....
Prunes (included with Plums and prunes).....	12	5	.....	Wheat.....	12	5	.....
Pulpwood.....	12	5	.....	White farm operators.....	3, 15, 16	2, 2a	.....
Rabbits and fur animals in captivity.....	11	4	.....	Wild hay.....	12	5	.....
Rams and wethers.....	11	4	.....	Winter wheat.....	12	5	.....
Raspberries, tame.....	12	5	.....	Woodland.....	1, 13-15	1, 1a	1, 5-8
Receipts from grazing privileges.....	12	5	.....	Wool shorn.....	.....	4	.....
Red clover seed.....	12	5	.....	Work off farm.....	5, 15	1, 6	1, 5-8
Redtop.....	12	5	.....	Years on farm.....	5	.....	1, 5-8
Rent, cash, paid.....	4, 17	.....	.....	Youngberries (included with Boysenberries and loganberries).....	12	5	.....
Rented land.....	1, 4, 14, 15, 17	1	5-8	.....	.....	.....	.....
See also Part owners and tenants.....	.....	.....	.....	.....	.....	.....	.....
Residence of operator.....	5, 15	1, 6	1, 5-8	.....	.....	.....	.....