

Prime and other Important Farmlands

This table lists the map units in the survey area that are considered important farmlands. Important farmlands consist of prime farmland, unique farmland, and farmland of statewide or local importance. This list does not constitute a recommendation for a particular land use.

In an effort to identify the extent and location of important farmlands, the Natural Resources Conservation Service, in cooperation with other interested Federal, State, and local government organizations, has inventoried land that can be used for the production of the Nation's food supply.

Prime farmland is of major importance in meeting the Nation's short- and long-range needs for food and fiber. Because the supply of high-quality farmland is limited, the U.S. Department of Agriculture recognizes that responsible levels of government, as well as individuals, should encourage and facilitate the wise use of our Nation's prime farmland.

Prime farmland, as defined by the U.S. Department of Agriculture, is land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops and is available for these uses. It could be cultivated land, pastureland, forestland, or other land, but it is not urban or built-up land or water areas. The soil quality, growing season, and moisture supply are those needed for the soil to economically produce sustained high yields of crops when proper management, including water management, and acceptable farming methods are applied. In general, prime farmland has an adequate and dependable supply of moisture from precipitation or irrigation, a favorable temperature and growing season, acceptable acidity or alkalinity, an acceptable salt and sodium content, and few or no rocks. The water supply is dependable and of adequate quality. Prime farmland is permeable to water and air. It is not excessively erodible or saturated with water for long periods, and it either is not frequently flooded during the growing season or is protected from flooding. Slope ranges mainly from 0 to 6 percent. More detailed information about the criteria for prime farmland is available at the local office of the Natural Resources Conservation Service.

For some of the soils identified in the table as prime farmland, measures that overcome a hazard or limitation, such as flooding, wetness, and droughtiness, are needed. Onsite evaluation is needed to determine whether or not the hazard or limitation has been overcome by corrective measures.

A recent trend in land use in some areas has been the loss of some prime farmland to industrial and urban uses. The loss of prime farmland to other uses puts pressure on marginal lands, which generally are more erodible, droughty, and less productive and cannot be easily cultivated.

Unique farmland is land other than prime farmland that is used for the production of specific high-value food and fiber crops, such as citrus, tree nuts, olives, cranberries, and other fruits and vegetables. It has the special combination of soil quality, growing season, moisture supply, temperature, humidity, air drainage, elevation, and aspect needed for the soil to economically produce sustainable high yields of these crops when properly managed. The water supply is dependable and of adequate quality. Nearness to markets is an additional consideration. Unique farmland is not based on national criteria. It commonly is in areas where there is a special microclimate, such as the wine country in California.

In some areas, land that does not meet the criteria for prime or unique farmland is considered to be *farmland of statewide importance* for the production of food, feed, fiber, forage, and oilseed crops. The criteria for defining and delineating farmland of statewide importance are determined by the appropriate State agencies.

Generally, this land includes areas of soils that nearly meet the requirements for prime farmland and that economically produce high yields of crops when treated and managed according to acceptable farming methods. Some areas may produce as high a yield as prime farmland if conditions are favorable. Farmland of statewide importance may include tracts of land that have been designated for agriculture by State law.

In some areas that are not identified as having national or statewide importance, land is considered to be *farmland of local importance* for the production of food, feed, fiber, forage, and oilseed crops. This farmland is identified by the appropriate local agencies. Farmland of local importance may include tracts of land that have been designated for agriculture by local ordinance.

Report—Prime and other Important Farmlands

Prime and other Important Farmlands—Hamilton County, Ohio		
Map Symbol	Map Unit Name	Farmland Classification
AcUXC	Alfic Udarents-Urban land complex, clayey substratum over bedrock, 0 to 12 percent slopes	Not prime farmland
AcUXD	Alfic Udarents-Urban land complex, clayey substratum over bedrock, 12 to 25 percent slopes	Not prime farmland
AcUXF	Alfic Udarents-Urban land complex, clayey substratum over bedrock, 25 to 60 percent slopes	Not prime farmland
AfUXC	Alfic Udarents-Urban land complex, fragipan substratum over till, 0 to 12 percent slopes	Not prime farmland
AoUXC	Alfic Udarents-Urban land complex, loamy substratum over bedrock, 0 to 12 percent slopes	Not prime farmland
ArA	Ava silt loam, 0 to 3 percent slopes	All areas are prime farmland
ArB2	Ava silt loam, 3 to 8 percent slopes, eroded	Not prime farmland
ArC2	Ava silt loam, 8 to 15 percent slopes, eroded	Not prime farmland
AwUXC	Alfic Udarents-Urban land complex, loamy substratum over outwash, 0 to 12 percent slopes	Not prime farmland
AyUXC	Alfic Udarents-Urban land complex, loamy substratum over till, 0 to 12 percent slopes	Not prime farmland
AyUXD	Alfic Udarents-Urban land complex, loamy substratum over till, 12 to 25 percent slopes	Not prime farmland
AyUXF	Alfic Udarents-Urban land complex, loamy substratum over till, 25 to 60 percent slopes	Not prime farmland
BoD	Bonnell silt loam, 15 to 25 percent slopes	Not prime farmland
BoE	Bonnell silt loam, 25 to 35 percent slopes	Not prime farmland
BoF	Bonnell silt loam, 35 to 60 percent slopes	Not prime farmland
CcC2	Casco gravelly loam, 8 to 15 percent slopes, eroded	Not prime farmland
CdD	Casco loam, 15 to 25 percent slopes	Not prime farmland

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Map Symbol	Map Unit Name	Farmland Classification
CdE	Casco loam, 25 to 35 percent slopes	Not prime farmland
CdF	Casco loam, 35 to 70 percent slopes	Not prime farmland
CfE	Casco and Rodman gravelly loams, 18 to 35 percent slopes	Not prime farmland
CmB	Cincinnati silt loam, 2 to 6 percent slopes	All areas are prime farmland
CmC2	Cincinnati silt loam, 6 to 12 percent slopes, moderately eroded	Not prime farmland
CnB2	Cincinnati silt loam, 3 to 8 percent slopes, eroded	Not prime farmland
CnC2	Cincinnati silt loam, 8 to 15 percent slopes, eroded	Not prime farmland
CNWXFF	Chagrin-Nelse-Wheeling complex, 2 to 75 percent slopes, frequently flooded	Not prime farmland
Da	Dumps, ash	Not prime farmland
DaB	Dana silt loam, 0 to 4 percent slopes	All areas are prime farmland
Dam	Dam	Not prime farmland
Dc	Dumps, coal	Not prime farmland
DcB	Dana silt loam, 2 to 6 percent slopes	All areas are prime farmland
DI	Dumps, lime	Not prime farmland
EcB2	Eden silty clay loam, 3 to 8 percent slopes, eroded	Not prime farmland
EcC2	Eden silty clay loam, 8 to 15 percent slopes, eroded	Not prime farmland
EcD	Eden silty clay loam, 15 to 25 percent slopes	Not prime farmland
EcE	Eden silty clay loam, 25 to 40 percent slopes	Not prime farmland
EcE2	Eden silty clay loam, 15 to 25 percent slopes, moderately eroded	Not prime farmland
EcF2	Eden silty clay loam, 25 to 50 percent slopes, moderately eroded	Not prime farmland
EdF	Eden flaggy silty clay loam, 40 to 60 percent slopes	Not prime farmland
EpA	Eldean loam, 0 to 2 percent slopes	All areas are prime farmland
EpB2	Eldean loam, 2 to 6 percent slopes, eroded	All areas are prime farmland
EpC2	Eldean loam, 6 to 12 percent slopes, eroded	Not prime farmland
EvB	Elkinsville silt loam, 2 to 6 percent slopes	All areas are prime farmland
EvC	Elkinsville silt loam, 6 to 12 percent slopes	Not prime farmland
FdA	Fincastle silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes	Prime farmland if drained
FoA	Fox loam, 0 to 2 percent slopes	All areas are prime farmland
FoB2	Fox loam, 2 to 6 percent slopes, eroded	All areas are prime farmland
Gn	Genesee loam, occasionally flooded	All areas are prime farmland
HeF	Hennepin silt loam, 35 to 60 percent slopes	Not prime farmland
HmE2	Hennepin-Miamian silt loams, 18 to 25 percent slopes, moderately eroded	Not prime farmland
HmF	Hennepin-Miamian silt loams, 25 to 50 percent slopes	Not prime farmland
HoA	Henshaw silt loam, 0 to 2 percent slopes	Prime farmland if drained
Hu	Huntington silt loam, occasionally flooded	All areas are prime farmland
JoR1A1	Jonesboro-Rossmoyne silt loams, 0 to 2 percent slopes	All areas are prime farmland
JoR1B1	Jonesboro-Rossmoyne silt loams, 2 to 6 percent slopes	All areas are prime farmland

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Map Symbol	Map Unit Name	Farmland Classification
JoR1B2	Jonesboro-Rossmoyne silt loams, 2 to 6 percent slopes, eroded	All areas are prime farmland
Ju	Jules silt loam, occasionally flooded	All areas are prime farmland
Lg	Lanier sandy loam, occasionally flooded	All areas are prime farmland
MaB	Markland silty clay loam, 2 to 6 percent slopes	All areas are prime farmland
MaC2	Markland silty clay loam, 6 to 12 percent slopes, eroded	Not prime farmland
MaD2	Markland silty clay loam, 12 to 18 percent slopes, eroded	Not prime farmland
MaE2	Markland silty clay loam, 18 to 25 percent slopes, eroded	Not prime farmland
McA	Martinsville silt loam, 0 to 2 percent slopes	All areas are prime farmland
McB	Martinsville silt loam, 2 to 6 percent slopes	All areas are prime farmland
MnC2	Miamian silt loam, 8 to 15 percent slopes, eroded	Not prime farmland
MoD2	Miamian-Hennepin silt loams, 15 to 25 percent slopes, eroded	Not prime farmland
MoE2	Miamian-Hennepin silt loams, 25 to 35 percent slopes, eroded	Not prime farmland
MoUXCO	Mollic Udarents-Urban land complex, loamy substratum, 0 to 12 percent slopes, occasionally flooded	Not prime farmland
MsC2	Miamian-Russell silt loams, bedrock substratum, 6 to 12 percent slopes, moderately eroded	Not prime farmland
OcA	Ockley silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes	All areas are prime farmland
OcB	Ockley silt loam, 2 to 6 percent slopes	All areas are prime farmland
Pb	Pits, borrow	Not prime farmland
PbB2	Parke silt loam, 3 to 8 percent slopes, eroded	Not prime farmland
PbC2	Parke silt loam, 8 to 15 percent slopes, eroded	Not prime farmland
PbD	Parke silt loam, 15 to 25 percent slopes	Not prime farmland
PbE	Parke silt loam, 25 to 35 percent slopes	Not prime farmland
PfC	Pate silty clay loam, 8 to 15 percent slopes	Not prime farmland
PfD	Pate silty clay loam, 15 to 25 percent slopes	Not prime farmland
PfE	Pate silty clay loam, 25 to 35 percent slopes	Not prime farmland
Pg	Pits, gravel	Not prime farmland
Pn	Patton silty clay loam	Prime farmland if drained
PrA	Princeton sandy loam, 0 to 2 percent slopes	All areas are prime farmland
PrB	Princeton sandy loam, 2 to 6 percent slopes	All areas are prime farmland
PrC2	Princeton sandy loam, 6 to 12 percent slopes, eroded	Not prime farmland
Ra	Ragsdale silty clay loam	Prime farmland if drained
RdA	Raub silt loam, 0 to 2 percent slopes	Prime farmland if drained
Rm	Ross loam	All areas are prime farmland
Rn	Ross loam, rarely flooded	All areas are prime farmland
RoC2	Rossmoyne silt loam, 6 to 12 percent slopes, moderately eroded	Not prime farmland
RpC2	Rossmoyne silt loam, 8 to 15 percent slopes, eroded	Not prime farmland
RuB	Russell-Miamian silt loams, 2 to 6 percent slopes	All areas are prime farmland

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Map Symbol	Map Unit Name	Farmland Classification
RuB2	Russell-Miamian silt loams, 2 to 6 percent slopes, moderately eroded	All areas are prime farmland
RvB	Russell-Miamian silt loams, bedrock substratum, 2 to 6 percent slopes	All areas are prime farmland
RvB2	Russell-Miamian silt loams, bedrock substratum, 2 to 6 percent slopes, moderately eroded	All areas are prime farmland
RwB	Russell silt loam, 2 to 6 percent slopes	All areas are prime farmland
RwB2	Russell silt loam, 3 to 8 percent slopes, eroded	Not prime farmland
Sh	Shoals silt loam	Prime farmland if drained
St	Stonelick fine sandy loam, frequently flooded	Prime farmland if protected from flooding or not frequently flooded during the growing season
SwB2	Switzerland silt loam, 3 to 8 percent slopes, eroded	Not prime farmland
SwC2	Switzerland silt loam, 8 to 15 percent slopes, eroded	Not prime farmland
SwD2	Switzerland silt loam, 15 to 25 percent slopes, eroded	Not prime farmland
UAAXC	Urban land-Alfics Udarents-Ava complex, 0 to 12 percent slopes	Not prime farmland
UABXD	Urban land-Alfics Udarents-Bonnell complex, 12 to 25 percent slopes	Not prime farmland
UABXF	Urban land-Alfics Udarents-Bonnell complex, 25 to 60 percent slopes	Not prime farmland
UACXC	Urban land-Alfics Udarents-Casco complex, 0 to 12 percent slopes	Not prime farmland
UACXD	Urban land-Alfics Udarents-Casco complex, 12 to 25 percent slopes	Not prime farmland
UACXF	Urban land-Alfics Udarents-Casco complex, 25 to 70 percent slopes	Not prime farmland
UADXC	Urban land-Alfics Udarents-Eldean complex, 0 to 12 percent slopes	Not prime farmland
UAEXC	Urban land-Alfics Udarents-Eden complex, 0 to 12 percent slopes	Not prime farmland
UAEXD	Urban land-Alfics Udarents-Eden complex, 12 to 25 percent slopes	Not prime farmland
UAEXF	Urban land-Alfics Udarents-Eden complex, 25 to 60 percent slopes	Not prime farmland
UAFXC	Urban land-Alfics Udarents-Fincastle complex, 0 to 12 percent slopes	Not prime farmland
UAGXC	Urban land-Alfics Udarents-Rossmoyne complex, 0 to 12 percent slopes	Not prime farmland
UAHXB	Urban land-Alfics Udarents-Henshaw complex, 0 to 6 percent slopes	Not prime farmland
UAJXC	Urban land-Alfics Udarents-Fox complex, 0 to 12 percent slopes	Not prime farmland
UAKXC	Urban land-Alfics Udarents-Elkinsville complex, 0 to 12 percent slopes	Not prime farmland
UALXC	Urban land-Alfics Udarents-Russell complex, 0 to 12 percent slopes	Not prime farmland
UAMXC	Urban land-Alfics Udarents-Markland complex, 0 to 12 percent slopes	Not prime farmland
UANXC	Urban land-Alfics Udarents-Miamian complex, 0 to 12 percent slopes	Not prime farmland

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Map Symbol	Map Unit Name	Farmland Classification
UANXD	Urban land-Alfic Udarents-Miamian complex, 12 to 25 percent slopes	Not prime farmland
UAOXC	Urban land-Alfic Udarents-Princeton complex, 0 to 12 percent slopes	Not prime farmland
UAPXC	Urban land-Alfic Udarents-Parke complex, 0 to 12 percent slopes	Not prime farmland
UAPXD	Urban land-Alfic Udarents-Parke complex, 12 to 25 percent slopes	Not prime farmland
UAPXF	Urban land-Alfic Udarents-Parke complex, 25 to 50 percent slopes	Not prime farmland
UAQXC	Urban land-Alfic Udarents-Cincinnati complex, 0 to 12 percent slopes	Not prime farmland
UARXC	Urban land-Alfic Udarents-Martinsville complex, 0 to 12 percent slopes	Not prime farmland
UASXC	Urban land-Alfic Udarents-Switzerland complex, 0 to 12 percent slopes	Not prime farmland
UASXD	Urban land-Alfic Udarents-Switzerland complex, 12 to 25 percent slopes	Not prime farmland
UATXC	Urban land-Alfic Udarents-Pate complex, 0 to 12 percent slopes	Not prime farmland
UATXD	Urban land-Alfic Udarents-Pate complex, 12 to 25 percent slopes	Not prime farmland
UATXE	Urban land-Alfic Udarents-Pate complex, 25 to 35 percent slopes	Not prime farmland
UAVXC	Urban land-Alfic Udarents-Avonburg complex, 0 to 12 percent slopes	Not prime farmland
UAWXC	Urban land-Alfic Udarents-Wynn complex, 0 to 12 percent slopes	Not prime farmland
UAXXC	Urban land-Alfic Udarents-Xenia complex, 0 to 12 percent slopes	Not prime farmland
UbAXC	Urban land-Alfic Udarents complex, loamy substratum over bedrock, 0 to 12 percent slopes	Not prime farmland
UbAXD	Urban land-Alfic Udarents complex, loamy substratum over bedrock, 12 to 25 percent slopes	Not prime farmland
UcAXC	Urban land-Alfic Udarents complex, clayey substratum over bedrock, 0 to 12 percent slopes	Not prime farmland
UcAXD	Urban land-Alfic Udarents complex, clayey substratum over bedrock, 12 to 25 percent slopes	Not prime farmland
UcAXF	Urban land-Alfic Udarents complex, clayey substratum over bedrock, 25 to 60 percent slopes	Not prime farmland
UdMXCO	Urban land-Mollic Udarents complex, loamy substratum, 0 to 12 percent slopes, occasionally flooded	Not prime farmland
Udo	Udorthents	Not prime farmland
UdoO	Udorthents, occasionally flooded	Not prime farmland
UfAXC	Urban land-Alfic Udarents complex, fragipan substratum over till, 0 to 12 percent slopes	Not prime farmland
UfUXF	Urban land-Udorthents complex, refuse substratum, 0 to 50 percent slopes	Not prime farmland
UHGXAO	Urban land-Haplic Udarents-Genesee complex, 0 to 2 percent slopes, occasionally flooded	Not prime farmland
UHJXAO	Urban land-Haplic Udarents-Jules complex, 0 to 2 percent slopes, occasionally flooded	Not prime farmland

Prime and other Important Farmlands--Hamilton County, Ohio		
Map Symbol	Map Unit Name	Farmland Classification
UHSXAF	Urban land-Haplic Udarents-Stonelick complex, 0 to 2 percent slopes, frequently flooded	Not prime farmland
UHWXAO	Urban land-Haplic Udarents-Wakeland complex, 0 to 2 percent slopes, occasionally flooded	Not prime farmland
UMDXC	Urban land-Mollic Udarents-Dana complex, 0 to 12 percent slopes	Not prime farmland
UMHXAO	Urban land-Mollic Udarents-Huntington complex, 0 to 2 percent slopes, occasionally flooded	Not prime farmland
UMLXAO	Urban land-Mollic Udarents-Lanier complex, 0 to 2 percent slopes, occasionally flooded	Not prime farmland
UMRXA	Urban land-Mollic Udarents-Raub complex, 0 to 2 percent slopes	Not prime farmland
UMSXAR	Urban land-Mollic Udarents-Ross complex, 0 to 2 percent slopes, rarely flooded	Not prime farmland
UoAXC	Urban land-Alfic Udarents complex, loamy substratum, 0 to 12 percent slopes	Not prime farmland
Ur	Urban land	Not prime farmland
UrO	Urban land, 0 to 12 percent slopes, occasionally flooded	Not prime farmland
UrUXC	Urban land-Udorthents complex, 0 to 12 percent slopes	Not prime farmland
UrUXCO	Urban land-Udorthents complex, 0 to 12 percent slopes, occasionally flooded	Not prime farmland
UsUXF	Urban land-Udorthents complex, smoothed, 0 to 50 percent slopes	Not prime farmland
UtAXC	Urban land-Alfic Udarents complex, loamy substratum over till, 0 to 12 percent slopes	Not prime farmland
UtAXD	Urban land-Alfic Udarents complex, loamy substratum over till, 12 to 25 percent slopes	Not prime farmland
UtAXF	Urban land-Alfic Udarents complex, loamy substratum over till, 25 to 60 percent slopes	Not prime farmland
UTPXAP	Urban land-Typic Endoaquents-Patton complex, 0 to 2 percent slopes, ponded	Not prime farmland
UuBXAB	Urban land-Udarents complex, wet substratum, 0 to 6 percent slopes	Not prime farmland
UUWXFF	Urban land-Udorthents-Wheeling complex, 2 to 75 percent slopes, frequently flooded	Not prime farmland
UwAXC	Urban land-Alfic Udarents complex, loamy substratum over outwash, 0 to 12 percent slopes	Not prime farmland
UwAXD	Urban land-Alfic Udarents complex, loamy substratum over outwash, 12 to 25 percent slopes	Not prime farmland
UwAXF	Urban land-Alfic Udarents complex, loamy substratum over outwash, 25 to 70 percent slopes	Not prime farmland
W	Water	Not prime farmland
Wa	Wakeland silt loam, occasionally flooded	Prime farmland if drained
WbA	Warsaw variant sandy loam, 0 to 2 percent slopes	All areas are prime farmland
WcA	Warsaw loam, 0 to 3 percent slopes	All areas are prime farmland
WeA	Wea silt loam, 0 to 2 percent slopes	All areas are prime farmland

Prime and other Important Farmlands--Hamilton County, Ohio		
Map Symbol	Map Unit Name	Farmland Classification
WhA	Whitaker loam, 0 to 2 percent slopes	Prime farmland if drained
WsS1A1	Westboro-Schaffer silt loams, 0 to 2 percent slopes	Prime farmland if drained
WyB	Wynn silt loam, 2 to 6 percent slopes	All areas are prime farmland
WyB2	Wynn silt loam, 2 to 6 percent slopes, moderately eroded	All areas are prime farmland
WyC2	Wynn silt loam, 6 to 12 percent slopes, moderately eroded	Not prime farmland
XfA	Xenia silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes	All areas are prime farmland
XfB2	Xenia silt loam, 2 to 6 percent slopes, eroded	All areas are prime farmland
XhB	Xenia silt loam, bedrock substratum, 2 to 6 percent slopes	All areas are prime farmland
XhB2	Xenia silt loam, bedrock substratum, 2 to 6 percent slopes, moderately eroded	All areas are prime farmland

Data Source Information

Soil Survey Area: Hamilton County, Ohio
 Survey Area Data: Version 14, Sep 15, 2014