

California Department of Conservation
FARMLAND MAPPING AND MONITORING PROGRAM

SOIL CANDIDATE LISTING

for

PRIME FARMLAND AND FARMLAND OF STATEWIDE IMPORTANCE

MERCED COUNTY

U.S. Department of Agriculture, Natural Resources Conservation Service, soil surveys for Merced County include:

Soil Survey of Fresno County, California, Western Part, July 2002

Soil Survey of Merced Area, California, July 1962

Soil Survey of Merced County, California, Western Part, March 1990

Beginning in 2002, SSURGO digital soil information has been incorporated into the Merced County Important Farmland Map. Prior versions of the map have not been modified.

The SSURGO data includes Fresno County, Western Part (published 10/18/2005), Merced Area (published 01/04/2007) and Merced County, Western Part (published 3/06/2006).

**For more information on the NRCS SSURGO data, please see:
<http://soils.usda.gov/survey/geography/ssurgo/>**

**MERCED COUNTY
PRIME FARMLAND SOILS**

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
DAVIS, CALIFORNIA 95616

THESE SOIL MAPPING UNITS MEET THE CRITERIA FOR PRIME FARMLAND AS OUTLINED IN THE U.S. DEPARTMENT OF AGRICULTURE'S LAND INVENTORY AND MONITORING (LIM) PROJECT FOR THE FRESNO COUNTY, WESTERN PART; MERCED AREA; AND MERCED COUNTY, WESTERN PART SOIL SURVEYS.

FRESNO COUNTY, WESTERN PART (portion within Merced County)

| <u>Symbol</u> | <u>Name</u> |
|---------------|---|
| 115 | Bolfar loam, drained, 0 to 1 percent slopes |
| 320 | Elnido sandy loam, drained, 0 to 1 percent slopes |
| 415 | Dospalos clay, drained, 0 to 1 percent slopes |

MERCED AREA

| <u>Symbol</u> | <u>Name</u> |
|---------------|--|
| AfA | Atwater loamy sand, 0 to 3 percent slopes |
| AfB | Atwater loamy sand, 3 to 8 percent slopes |
| AgA | Atwater loamy sand, deep over hardpan, 0 to 3 percent slopes |
| AgB | Atwater loamy sand, deep over hardpan, 3 to 8 percent slopes |
| AkA | Atwater loamy sand, imperfectly drained variant, 0 to 3 percent slopes |
| AnA | Atwater sand, 0 to 3 percent slopes |
| AnB | Atwater sand, 3 to 8 percent slopes |
| BeA | Borden fine sandy loam, 0 to 2 percent slopes |
| BfA | Borden fine sandy loam, slightly saline-alkali, 0 to 2 percent slopes |
| BgA | Burchell silt loam, 0 to 1 percent slopes |
| BkA | Burchell silt loam, slightly saline-alkali, 0 to 1 percent slopes |
| BnA | Burchell silty clay loam, 0 to 1 percent slopes |

MERCED AREA continued

| <u>Symbol</u> | <u>Name</u> |
|---------------|--|
| BpA | Burchell silty clay loam, slightly saline-alkali, 0 to 1 percent slopes |
| CaA | Columbia fine sandy loam, moderately deep and deep, 0 to 1 percent slopes |
| CbA | Columbia loam, deep over hardpan, slightly saline, 0 to 1 percent slopes |
| CcA | Columbia silt loam, moderately deep and deep, 0 to 1 percent slopes |
| DbA | Delhi loamy fine sand, 0 to 3 percent slopes |
| DbB | Delhi loamy fine sand, 3 to 8 percent slopes |
| DcA | Delhi loamy fine sand, silty substratum, 0 to 3 percent slopes |
| DdA | Delhi loamy sand, 0 to 3 percent slopes |
| DdB | Delhi loamy sand, 3 to 8 percent slopes |
| DeA | Delhi loamy sand, silty substratum, 0 to 3 percent slopes |
| DgA | Delhi sand, silty substratum, 0 to 3 percent slopes |
| DgB | Delhi sand, silty substratum, 3 to 8 percent slopes |
| DpA | Dinuba sandy loam, 0 to 1 percent slopes |
| DrA | Dinuba sandy loam, slightly saline-alkali, 0 to 1 percent slopes |
| GaA | Grangeville fine sandy loam, 0 to 1 percent slopes |
| GbA | Grangeville loam, 0 to 1 percent slopes |
| GcA | Grangeville loam, slightly saline-alkali, 0 to 1 percent slopes |
| HaA | Hanford fine sandy loam, 0 to 1 percent slopes |
| HbA | Hanford fine sandy loam, moderately deep and deep over sand, 0 to 1 percent slopes |
| HcB | Hanford fine sandy loam, channeled, 0 to 8 percent slopes |
| HdA | Hanford gravelly sandy loam, 0 to 1 percent slopes |

MERCED AREA continued

| <u>Symbol</u> | <u>Name</u> |
|---------------|---|
| HeA | Hanford sandy loam, 0 to 1 percent slopes |
| HrA | Honcut fine sandy loam, 0 to 1 percent slopes |
| HsA | Honcut gravelly sandy loam, 0 to 1 percent slopes |
| HtA | Honcut silt loam, 0 to 1 percent slopes |
| HuA | Honcut silt loam, deep over hardpan, 0 to 1 percent slopes |
| HwA | Honcut silty clay loam, 0 to 1 percent slopes |
| HxA | Honcut silty clay loam, deep over hardpan, 0 to 1 percent slopes |
| HZA | Honcut silty clay loam, channeled, 0 to 8 percent slopes |
| MeA | Marguerite loam, 0 to 1 percent slopes |
| MfA | Marguerite silty clay loam, 0 to 1 percent slopes |
| MgA | Marguerite silty clay loam, deep over hardpan, 0 to 1 percent slopes |
| MhA | Merced clay, slightly saline, 0 to 1 percent slopes |
| MmA | Merced clay loam, slightly saline, 0 to 1 percent slopes |
| MpA | Merced silt loam, overwashed, slightly saline, 0 to 1 percent slopes |
| PaA | Pachappa fine sandy loam, 0 to 1 percent slopes |
| PbA | Pachappa fine sandy loam, slightly saline-alkali, 0 to 1 percent slopes |
| PcA | Pachappa fine sandy loam, deep over hardpan, 0 to 1 percent slopes |
| PdA | Pachappa sandy loam, 0 to 1 percent slopes |
| PeA | Pachappa sandy loam, slightly saline-alkali, 0 to 1 percent slopes |
| PfA | Pachappa sandy loam, deep over hardpan, slightly saline-alkali, 0 to 1 percent slopes |
| PgA | Pachappa sandy loam, deep over hardpan, 0 to 1 percent slopes |
| PpA | Piper fine sandy loam, slightly saline-alkali, 0 to 3 percent slopes |

MERCED AREA continued

| <u>Symbol</u> | <u>Name</u> |
|---------------|---|
| PwA | Porterville clay, 0 to 3 percent slopes |
| PwB | Porterville clay, 3 to 8 percent slopes |
| RaA | Raynor clay, 0 to 3 percent slopes |
| RaB | Raynor clay, 3 to 8 percent slopes |
| RaC | Raynor clay, 8 to 15 percent slopes |
| RsA | Ryer clay loam, 0 to 2 percent slopes |
| RsB | Ryer clay loam, 3 to 8 percent slopes |
| RtA | Ryer silt loam, 0 to 3 percent slopes |
| Sk | Slickens |
| SmA | Snelling sandy loam, imperfectly drained variant, 0 to 1 percent slopes |
| SnA | Snelling sandy loam, 0 to 3 percent slopes |
| SnB | Snelling sandy loam, 3 to 8 percent slopes |
| SnB2 | Snelling sandy loam, 3 to 8 percent slopes, eroded |
| TbA | Temple clay loam, 0 to 1 percent slopes |
| TcA | Temple clay loam, slightly saline, 0 to 1 percent slopes |
| TdA | Temple clay loam, slightly saline, channeled, 0 to 3 percent slopes |
| TeA | Temple loam, 0 to 1 percent slopes |
| TfA | Temple loam, slightly saline, 0 to 1 percent slopes |
| ThA | Traver clay loam, slightly saline-alkali, 0 to 1 percent slopes |
| TnA | Traver fine sandy loam, slightly saline-alkali, 0 to 1 percent slopes |
| WnA | Wyman clay loam, deep over hardpan, 0 to 1 percent slopes |

MERCED AREA continued

| <u>Symbol</u> | <u>Name</u> |
|---------------|--|
| WoA | Wyman clay loam, 0 to 3 percent slopes |
| WpA | Wyman loam, deep over hardpan, slightly saline-alkali, 0 to 1 percent slopes |
| WrA | Wyman loam, 0 to 3 percent slopes |
| WsA | Wyman loam, deep over hardpan, 0 to 3 percent slopes |
| WtA | Wyman loam, moderately deep and deep over gravel, 0 to 3 percent slopes |
| YdA | Yolo loam, 0 to 1 percent slopes |
| YeA | Yolo loam, deep over hardpan, 0 to 1 percent slopes |

MERCED COUNTY, WESTERN PART

| <u>Symbol</u> | <u>Name</u> |
|---------------|---|
| 106 | Anela gravelly loam, 0 to 2 percent slopes |
| 109 | Apollo clay loam, 2 to 8 percent slopes |
| 116 | Arbuckle variant sandy loam |
| 123 | Ayar clay, 5 to 8 percent slopes |
| 131 | Ballvar loam, 2 to 8 percent slopes |
| 132 | Ballvar-Pedcat, eroded association, 0 to 5 percent slopes |
| 137 | Bisgani loamy sand, partially drained |
| 139 | Bolfar clay loam, partially drained |
| 144 | Capay clay loam |
| 145 | Capay clay |
| 149 | Chaqua loam, 2 to 8 percent slopes |

MERCED COUNTY, WESTERN PART continued

| <u>Symbol</u> | <u>Name</u> |
|---------------|--|
| 154 | Cole variant clay loam, 2 to 5 percent slopes |
| 161 | Damluis clay loam, 0 to 2 percent slopes |
| 163 | Damluis gravelly clay loam, 0 to 2 percent slopes |
| 164 | Damluis gravelly clay loam, 2 to 8 percent slopes |
| 167 | Deldota clay, partially drained |
| 170 | Dospalos clay loam, partially drained |
| 171 | Dospalos clay, partially drained |
| 174 | Dospalos-urban land complex, partially drained |
| 178 | Elnido sandy loam, partially drained |
| 180 | Elnido clay loam, partially drained |
| 181 | Escano clay loam, partially drained |
| 192 | Henmel clay loam, partially drained |
| 193 | Herito loam |
| 206 | Los Banos clay loam, 0 to 2 percent slopes |
| 207 | Los Banos clay loam, 2 to 8 percent slopes |
| 209 | Los Banos-Pleito clay loams, 2 to 8 percent slopes |
| 210 | Los Banos variant gravelly sandy clay loam |
| 228 | Palazzo sandy loam, partially drained |
| 229 | Paver clay loam, 0 to 2 percent slopes |
| 230 | Paver clay loam, 2 to 5 percent slopes |
| 246 | San Emigdio fine sandy loam |
| 247 | San Emigdio loam |
| 253 | Stanislaus clay loam |

MERCED COUNTY, WESTERN PART continued

| <u>Symbol</u> | <u>Name</u> |
|---------------|--|
| 254 | Stanislaus clay loam, wet |
| 255* | Stanislaus-Dosamigos-urban land complex |
| 263 | Vernalis loam, 2 to 5 percent slopes |
| 274 | Woo loam, 0 to 2 percent slopes |
| 275 | Woo loam, gravelly substratum, 0 to 2 percent slopes |
| 276 | Woo sandy clay loam, 0 to 2 percent slopes |
| 277 | Woo clay loam, 0 to 2 percent slopes |
| 278 | Woo clay loam, 2 to 5 percent slopes |
| 279 | Woo clay loam, wet, 0 to 2 percent slopes |
| 280 | Woo clay, 0 to 2 percent slopes |
| 281* | Woo-Anela-urban land complex, 0 to 2 percent slopes |
| 282* | Woo-urban land complex, 0 to 2 percent slopes |

* These urban land complexes still qualify for Prime Farmland if not converted to urban uses-NRCS 2/10/05.

**MERCED COUNTY
FARMLAND OF STATEWIDE
IMPORTANCE SOILS**

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
DAVIS, CALIFORNIA 95616

THESE SOIL MAPPING UNITS MEET THE CRITERIA FOR FARMLAND OF STATEWIDE IMPORTANCE AS OUTLINED IN THE U.S. DEPARTMENT OF AGRICULTURE'S LAND INVENTORY AND MONITORING (LIM) PROJECT FOR THE FRESNO COUNTY, WESTERN PART; MERCED AREA; AND MERCED COUNTY, WESTERN PART SOIL SURVEYS.

FRESNO COUNTY, WESTERN PART (portion within Merced County)

| <u>Symbol</u> | <u>Name</u> |
|---------------|---|
| 101 | Armona loam, partially drained, 0 to 1 percent slopes |
| 120 | Atlaslough clay loam, 0 to 1 percent slopes |
| 472 | Wekoda clay, partially drained, 0 to 1 percent slopes |

MERCED AREA

| <u>Symbol</u> | <u>Name</u> |
|---------------|---|
| AdA | Atwater loamy sand, deep hardpan, poorly drained variant, 0 to 1 percent slopes |
| BaA | Bear Creek clay loam, 0 to 3 percent slopes |
| BcA | Bear Creek loam, 0 to 3 percent slopes |
| BmA | Burchell silt loam, moderately saline-alkali, 0 to 1 percent slopes |
| BrA | Burchell silty clay loam, moderately saline-alkali, 0 to 1 percent slopes |
| CeA | Columbia soils, channeled, 0 to 3 percent slopes |
| DfA | Delhi sand, 0 to 3 percent slopes |
| DfB | Delhi sand, 3 to 8 percent slopes |
| DfC | Delhi sand, 8 to 15 percent slopes |
| DhA* | Dello loamy fine sand, 0 to 1 percent slopes |

MERCED AREA continued

| <u>Symbol</u> | <u>Name</u> |
|---------------|---|
| DkA * | Dello sand, 0 to 1 percent slopes |
| DoA * | Dello sand, slightly saline-alkali, 0 to 1 percent slopes |
| GdA | Grangeville loam, moderately saline-alkali, 0 to 1 percent slopes |
| GeA | Greenfield sandy loam, deep over hardpan, poorly drained variant, 0 to 1 percent slopes |
| GfA | Greenfield sandy loam, deep over hardpan, 0 to 3 percent slopes |
| GfB | Greenfield sandy loam, deep over hardpan, 3 to 8 percent slopes |
| GfB3 | Greenfield sandy loam, deep over hardpan, 3 to 8 percent slopes, gullied |
| HgA | Hilmar loamy sand, 0 to 3 percent slopes |
| HhA | Hilmar loamy sand, slightly saline-alkali, 0 to 3 percent slopes |
| HoA | Hilmar sand, 0 to 3 percent slopes |
| HpA | Hilmar sand, slightly saline-alkali, 0 to 3 percent slopes |
| 2HB | Hopeton clay, 0 to 8 percent slopes |
| LaA | Landlow clay, 0 to 1 percent slopes |
| LbA | Landlow clay, slightly saline-alkali, 0 to 1 percent slopes |
| LcA | Landlow silt loam, 0 to 1 percent slopes |
| LdA | Landlow silt loam, slightly saline-alkali, 0 to 1 percent slopes |
| LeA | Landlow silty clay loam, 0 to 1 percent slopes |
| LfA | Landlow silty clay loam, slightly saline-alkali, 0 to 1 percent slopes |
| LgA | Lewis clay, slightly saline-alkali, 0 to 1 percent slopes |
| LkA | Lewis loam, slightly saline-alkali, 0 to 1 percent slopes |
| LoA | Lewis silty clay loam, slightly saline-alkali, 0 to 1 percent slopes |

MERCED AREA continued

| <u>Symbol</u> | <u>Name</u> |
|---------------|---|
| MkA | Merced clay, moderately saline, 0 to 1 percent slopes |
| MnA | Merced clay loam, moderately saline, 0 to 1 percent slopes |
| PsA | Piper fine sandy loam, moderately saline-alkali, 0 to 3 percent slopes |
| PxA | Pozo clay loam, 0 to 1 percent slopes |
| PyA | Pozo clay loam, slightly saline, 0 to 1 percent slopes |
| PzA | Pozo clay loam, moderately saline, 0 to 1 percent slopes |
| RgA | Rocklin loam, 0 to 3 percent slopes |
| RgB | Rocklin loam, 3 to 8 percent slopes |
| SnC | Snelling sandy loam, 8 to 15 percent slopes |
| SnC2 | Snelling sandy loam, 8 to 15 percent slopes, eroded |
| TkA | Traver clay loam, moderately saline-alkali, 0 to 1 percent slopes |
| ToA | Traver fine sandy loam, moderately saline-alkali, 0 to 1 percent slopes |
| TtA | Tujunga loamy sand, 0 to 3 percent slopes |
| TuA | Tujunga sand, 0 to 3 percent slopes |
| TwA | Tujunga sand, channeled, 0 to 8 percent slopes |
| WhB | Whitney fine sandy loam, 3 to 8 percent slopes |
| WhB2 | Whitney fine sandy loam, 3 to 8 percent slopes, eroded |
| WkB | Whitney sandy loam, 3 to 8 percent slopes |
| WkC | Whitney sandy loam, 8 to 15 percent slopes |
| WkC2 | Whitney sandy loam, 8 to 15 percent slopes, eroded |

MERCED AREA continued

| <u>Symbol</u> | <u>Name</u> |
|---------------|---|
| WmB2 | Whitney and Rocklin soils, 3 to 8 percent slopes, eroded |
| WmC2 | Whitney and Rocklin soils, 8 to 15 percent slopes, eroded |

* This unit is of Farmland of Statewide Importance only if the high water table is sufficiently drained below 3 feet.

MERCED COUNTY, WESTERN PART

| <u>Symbol</u> | <u>Name</u> |
|---------------|--|
| 103 | Alros clay loam, partially drained |
| 117 | Arburua loam, 2 to 8 percent slopes |
| 140 | Bolfar clay loam, hummocky |
| 146 | Carranza gravelly loam, 0 to 2 percent slopes |
| 147 | Carranza gravelly clay loam, 2 to 8 percent slopes |
| 150 | Chateau clay, partially drained |
| 153 | Chinvar loam |
| 162 | Damluis clay loam, 2 to 8 percent slopes |
| 166 | Damluis variant clay loam |
| 168 | Dosamigos clay loam, partially drained |
| 169 | Dosamigos clay, partially drained |
| 172 | Dospalos clay, hummocky |
| 173 | Dospalos-Bolfar complex, occasionally flooded |
| 175 | Edminster loam |
| 176 | Edminster-Kesterson complex |

MERCED COUNTY, WESTERN PART continued

| <u>Symbol</u> | <u>Name</u> |
|---------------|---|
| 177 | Edminster variant sand |
| 198 | Kesterson sandy loam |
| 200 | Kesterson loam, ponded |
| 201 | Kesterson-Edminster complex |
| 212 | Marcuse clay, leveled |
| 239 | Pleito gravelly clay loam, 8 to 15 percent slopes |
| 258 | Trulae silty clay, partially drained |
| 266 | Volta clay loam, partially drained |
| 267 | Wekoda clay loam, partially drained |
| 285 | Yokut sandy loam |
| 286 | Yokut loam |