



New Jersey Important Farmlands Inventory

Prime Farmlands

Prime Farmlands include all those soils in Land Capability Class I and selected soils from Land Capability Class II. Prime Farmland is land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber and oilseed crops and is also available for these uses. It has the soil quality, growing season, and moisture supply needed to economically produce sustained high yields of crops when treated and managed according to acceptable farming methods, Prime Farmlands are not excessively erodible or saturated with water for a long period of time, and they either do not flood frequently or are protected from flooding.

Adelphia

Fine sandy loam, 0-2% slopes (AaA)

Fine sandy loam, 0-3% slopes (AaA)

Fine sandy loam, 2-5% slopes (AaA)

Fine sandy loam, clayey substratum, 0-2% slopes (AcA)

Fine sandy loam, clayey substratum, 2-5% slopes (AcB)

Loam, 0-2% slopes (AhA),(AeA)

Loam, 2-5% slopes (AeB)

Adelphia Glauconitic Variant

Fine sandy loam, 0-2% slopes (AnA)

Fine sandy loam, 2-5% slopes (AnB)

Annandale

Gravelly loam, 3-8% slopes (AnB)

Gravelly loam, 3-8% slopes, eroded (AnB2)

Annandale and Edneyville gravelly loams, 3-8% slopes (ApB)

Arendtsville

Gravelly loam, 2-6% slopes (ArB)

Athol

Gravelly loam, 2-6% slopes (AtB)

Aura

Loamy sand, 0-2% slopes (AmA)

Loamy sand, 0-5% slopes (AmB, AmA)

Loamy sand, 2-5% slopes (AmB)

Sandy loam, 0-2% slopes (ArA)

Sandy loam, 0-5% slopes (ArB)
Sandy loam, 2-5% slopes (ArB, AxB)
Sandy loam, moderately firm, 2-5% slopes (AfB)
Gravelly sandy loam, 0-2% slopes (AgA)
Gravelly sandy loam, 0-5% slopes (AgB)
Gravelly sandy loam, 2-5% slopes (AgB)
Loam, 0-2% slopes (AlA)
Loam, 2-5% slopes (AlB)
Aura - Downer loamy sands, 0-5% slopes (AtB)
Aura - Downer sandy loams, 0-5% slopes (AvB)
Aura - Sassafras loamy sands, 0-5% slopes (AsB)
Aura - Sassafras sandy loams, 0-5% slopes (AuB)

Bartley

Loam, 0-3% slopes (BaA)
Loam, 3-8% slopes (BaB)

Bath

Loam, 3-8% slopes (BaB)
Gravelly loam, 3-8% slopes (BfB)

Bedington

Shaly silt loam, 2-6% slopes (BaB)

Birdsboro

Loam, 0-6% slopes (BbB)
Silt loam, 0-2% slopes (BbA)
Silt loam, 3-6% slopes (BbB)
Silt loam, 3-8% slopes, eroded (BdB)
Loam, 2-6% slopes, eroded (BbB2)
Birdsboro Soils, Sandy Subsoil Variants
0-2% slopes (BnA)
2-6% slopes (BnB)

Boonton

Loam, 2-5% slopes (BoB)

Loam, 3-8% slopes (BoB)
Gravelly loam, 3-8% slopes (BoB)

Braceville

Gravelly sandy loam, 0-3% slopes (BrA)
Gravelly sandy loam, 3-8% slopes (BrB)

Gravelly silt loam, 0-5% slopes (BtA)

Bucks

Silt loam, 0-2% slopes, (BuA)

Silt loam, 2-6% slopes, (BuB)

Silt loam, 2-6% slopes, eroded (BuB2)

Califon

Loam, 0-3% slopes (CaA)

Loam, 3-8% slopes (CaB)

Gravelly loam, 3-8% slopes (CbB, CaB)

Califon Fraible SUBSOIL VARIANT

Loam, 3-8% slopes (CdB)

Chillum

Silt loam, 0-2% slopes (ChA)

Silt loam, 2-5% slopes (ChB)

Collington

Loamy sand, 0-5% slopes (CmB)

Sandy loam, 0-2% slopes (CnA)

Sandy loam, 2-5% slopes (CnB)

Fine sandy loam, 0-2% slopes (CnA, CoA)

Fine sandy loam, 2-5% slopes (CnB, CoB)

Loam, 0-2% slopes (CoA)

Loam, 2-5% slopes (CoB)

Colts Neck

Sandy loam, 2-5% slopes (CtB)

Soils, 0-5% slopes (CoB)

Donlonton

Fine sandy loam, 0-3% slopes (DeB)

Loam, 0-3% slopes (DlA)

Downer

Sandy loam, 0-2% slopes (DsA, DoA, DrA, DpA)

Sandy loam, 2-5% slopes (DsB, DoB, DrB, DpB)

Fine sandy loam, gravelly clay loam substratum (Df)

Downer - Sassafras sandy loams, 0-5% slopes (DvB)

Dragston

Dragston and Woodstown sandy loams, 0-4% slopes (DwB)

Dragston - Woodstown sandy loams, clayey substrata, 2-5% slopes (DwB)

Duffield

Silt loam, 2-6% slopes (DuB)

Dunellen

Sandy loam, 0-2% slopes (DnA)

Sandy loam, 2-6% slopes (DnB)

Sandy loam, 3-8% slopes (DnB)

Loam, 3-8% slopes (DuB)

Dunellen Variant

Sandy loam, 0-2% slopes (DvA)

Sandy loam, 2-5% slopes (DvB)

Dunellen Moderately Well Drained Variant

Sandy loam (Dw)

Edneyville

Gravelly loam, 3-8% slopes (EdB)

Ellington Variant

Sandy loam, 0-2% slopes (EoA)

Sandy loam, 2-5% slopes (EoB)

Fine sandy loam, loamy subsoil variant, 3-8% slopes (E1B)

Freehold

Loam, 0-2% slopes (FsA)

Loamy sand, 0-5% slopes (FhB, FnA)

Loamy fine sand, 0-5% slopes (FhB)

Sandy loam, 0-2% slopes (FoA)

Sandy loam, 2-5% slopes (FrB, FoB)

Fine sandy loam, 0-2% slopes (FfA)

Fine sandy loam, 2-5% slopes (FfB)

Fine sandy loam, clayey substratum, 2-5% slopes (FgB)

Galestown

Sandy loam, 0-6% slopes (GeB)

Haledon

Silt loam, 0-2% slopes (HaA)

Silt loam, 2-5% slopes (HaB)

Silt loam, 3-8% slopes (HaB)

Loam, 0-3% slopes (HaA)

Loam, 3-8% slopes (HaB)

Gravelly loam, 3-8% slopes (HaB)

Hammonton

Sandy loam, 0-2% slopes (HmA, HbA)

Sandy loam, 0-3% slopes (HbA, HcA)

Sandy loam, 2-5% slopes (HbB)

Sandy loam, clayey substratum, 0-2% slopes (HnA)

Hazen

Loam, 0-3% slopes (HbA)

Loam, 3-8% slopes (HbB)

Gravelly loam, 0-3% slopes (HfA)

Gravelly loam, 3-8% slopes (HfB)

Hero

Loam, 0-3% slopes (HkA)

Loam, 3-8% slopes (HkB)

Gravelly loam, 0-3% slopes (HrA)

Gravelly loam, 3-8% slopes (HrB)

Holmdel

Loamy sand, 0-5% slopes (H1B)

Loamy fine sand, 0-3% slopes (HfA)

Fine sandy loam, 0-2% slopes (HdA, HoA)

Fine sandy loam, 0-3% slopes (HdA)

Fine sandy loam, 2-5% slopes (HdB)

Fine sandy loam, clayey substratum, 0-2% slopes (HmA)

Fine sandy loam, clayey substratum, 2-5% slopes (HmB)

Sandy loam, 0-2% slopes (HnA)

Sandy loam, 2-5% slopes (HnB)

Howell

Soils, 0-5% slopes (HoB)

Keyport

Loamy sand, 0-5% slopes (KeB)

Sandy loam, 0-2% slopes (KeA)

Sandy loam, 0-4% slopes (KeA)

Sandy loam, 0-5% slopes (KpB)

Sandy loam, 2-5% slopes (KeB)

Fine sandy loam, 2-5% slopes (KfB)

Loam, 0-2% slopes (K1A, KfA)
Loam, 2-5% slopes (K1B, KfB)
Loam, 2-5% slopes, eroded (K1B2)
Silt loam, 0-2% slopes (KfA)
Silt loam, 2-6% slopes (KfB)

Lansdale

Sandy loam, 2-6% slopes (LaB)
Loam, 0-6% slopes (LaB)

Lawrenceville

Silt loam, 2-6% slopes (LeB)
Lawrenceville and Mount Lucas silt loams, 0-2% slopes (LeA)
Lawrenceville and Mount Lucas silt loams, 2-6% slopes (LeB)
Lawrenceville and Mount Lucas silt loams, 2-6% slopes, eroded (LeB2)

Legore

Gravelly loam, 2-6% slopes (LgB)

Marlton

Sandy loam, 0-2% slopes (MrA)
Sandy loam, 0-5% slopes (MrB)
Sandy loam, 2-5% slopes (MrB)
Fine sandy loam, 0-2% slopes (MhA)
Fine sandy loam, 2-5% slopes (MhB)
Soils, 2-5% slopes (MrB)
Soils, 2-5% slopes, eroded (MrB2)
Loam, 2-5% slopes (M1B)

Matapeake

Loam, 0-2% slopes (MoA)
Loam, 2-5% slopes (MoB)
Silt loam, 0-2% slopes (MeA, MoA)
Silt loam, 2-5% slopes (MeB, MoB)

Matawan

Loamy sand, 0-5% slopes (MmB)
Sandy loam, 0-2% slopes (MnA)
Sandy loam, 0-5% slopes (MtA)
Sandy loam, 2-5% slopes (MnB)

Mattapex

Silt loam, 0-2% slopes (MgA, MqA, MrA)

Silt loam, 2-5% slopes (MgB, MqB, MrB)
Silt loam, clayey substratum, 0-2% slopes (MsA)
Silt loam, clayey substratum, 2-5% slopes (MsB)
Silt loam, glauconitic substratum, 0-2% slopes (MtA)
Silt loam, glauconitic substratum, 2-5% slopes (MtB)

Meckesville

Gravelly loam, 2-6% slopes (MeB)

Middlebury

Loam (Md)

Mount Lucas

Silt loam, 0-2% slopes (MoA)
Silt loam, 0-6% slopes (MoB)
Silt loam, 2-5% slopes (MoB)
Silt loam, 2-6% slopes (MoB)

Neshaminy

Gravelly loam, 2-6% slopes (NdB)
Silt loam, 0-6% slopes (NeB)
Silt loam, 2-6% slopes (NeB)
Gravelly silt loam, 3-8% slopes (NeB)

Neshaminy Fragipan Variant

Silt loam, 2-6% slopes (NmB)

Netcong

Gravelly sandy loam, 3-8% slopes (NtB)

Nixon

Loam, 0-2% slopes (NaA)
Loam, 2-5% slopes (NaB)

Nixon Variant

Loam, 0-2% slopes (NfA)
Loam, 2-5% slopes (NfB)

Nixonton

Loamy fine sand, 0-2% slopes (NcA)
Loamy fine sand, 2-5% slopes (NcB)
Fine sandy loam, 0-2% slopes (NbA)
Fine sandy loam, 2-5% slopes (NbB)

Nixonton and Barclay fine sandy loams, 0-3% slopes (NbA)

Nixonton and Barclay loamy fine sands, 0-5% slopes (NcA)

Nixonton and Barclay soils, 0-5% slopes (NbB)

Norton

Loam, 0-2% slopes (NoA)

Loam, 2-6% slopes (NoB)

Palmyra

Gravelly fine sandy loam, 0-3% slopes (PaA)

Gravelly fine sandy loam, 3-8% slopes (PaB)

Pascack

Silt loam, 0-3% slopes (PoA)

Pattensburg

Gravelly loam, 2-6% slopes (PbB)

Gravelly loam, 2-6% slopes, moderately wet (PcB)

Gravelly loam, 3-8% slopes (P1B)

Penn

Silt loam, 0-2% slopes (PfA, PmA)

Silt loam, 2-5% slopes (PfB)

Silt loam, 2-6% slopes (PmB)

Shaly silt loam, 0-6% slopes (PeB)

Shaly silt loam, 2-6% slopes (PnB, PeB)

Shaly silt loam, 3-8% slopes (PnB)

Penn - Bucks complex, 2-6% slopes (PfB)

Pompton

Sandy loam, 0-3% slopes (PtA)

Sandy loam, 3-8% slopes (PtB)

Fine sandy loam, 0-3% slopes (PvA)

Fine sandy loam, 0-5% slopes (PvA)

Pope

Fine sandy loam, high bottom (Pk)

Fine sandy loam, high bottom, 0-3% slopes (PnA)

Fine sandy loam, high bottom, 3-8% slopes (PnB)

Gravelly fine sandy loam, high bottom, 0-3% slopes

Gravelly fine sandy loam, high bottom, 3-8% slopes

Quakertown

Silt loam, 0-2% slopes (QkA)

Silt loam, 0-6% slopes (QkB)

Silt loam, 2-6% slopes (QkB)

Silt loam, 2-6% slopes, eroded (QkB2)

Channery silt loam, 2-6% slopes (QuB)

Raritan

Silt loam, 0-2% slopes (RbA)

Silt loam, 2-6% slopes (RbB)

Silt loam, 0-4% slopes (RbA)

Silt loam, 0-3% slopes (RbA)

Readington

Silt loam, 2-6% slopes (RcB)

Readington and Abbottstown silt loams, 0-2% slopes (RaA)

Readington and Abbottstown silt loams, 2-6% slopes (RaB)

Readington and Abbottstown silt loams, 2-6% slopes, eroded (RaB2)

Riverhead

Sandy loam, 0-3% slopes (RaA)

Sandy loam, 3-8% slopes (RaB, RhB)

Gravelly sandy loam, 0-3% slopes (RmA)

Gravelly sandy loam, 2-6% slopes (RgB)

Gravelly sandy loam, 3-8% slopes (RmB)

Riverhead Neutral Variant

Gravelly sandy loam, 2-8% slopes (RnB)

Rockaway

Gravelly sandy loam, 3-8% slopes (RoB)

Gravelly loam, 3-8% slopes (RoB)

Royce

Silt loam, 2-6% slopes (RyB)

Sassafras

Sandy loam, 0-2% slopes (SaA, SrA)

Sandy loam, 2-5% slopes (SaB, SrB)

Sandy loam, water table, 0-2% slopes (SbA)

Gravelly sandy loam, 0-2% slopes (SgA)

Gravelly sandy loam, 2-5% slopes (SgB, SsB)
Gravelly sandy loam, 0-5% slopes (SgB)
Fine sandy loam, 0-2% slopes (SgA)
Fine sandy loam, 2-5% slopes (SgB)
Fine sandy loam, clayey substratum, 0-2% slopes (ShA)
Fine sandy loam, clayey substratum, 2-5% slopes (ShB)
Loam, 0-2%, slopes (S1A)
Loam, 2-5%, slopes (S1B)
Sassafras - Aura sandy loams, 0-5% slopes (SuB)
Sassafras - Aura loams, 0-5% slopes (StB)
Sassafras - Woodstown sandy loams, 0-5% slopes (SyB)
Sassafras - Woodstown sandy loams, gently undulating (SyB)

Swartswood

Gravelly loam, 3-8% slopes (SwB, SuB)

Tioga

Fine sandy loam (To)

Turbotville

Loam, 0-3% slopes (TuA)

Loam, 2-6% slopes (TuB)

Loam, 3-8% slopes (TuB)

Unadilla

Very fine sandy loam, 0-3% slopes (UnA)

Valois

Shaly loam, 3-8% slopes (VaB)

Washington

Loam, 0-3% slopes (WaA)

Loam, 0-8% slopes (WaB)

Loam, 2-6% slopes (WaB)

Loam, 3-8% slopes (WhB, WaB)

Gravelly loam, 3-8% slopes (WgB)

Wassaic

Gravelly loam, 0-3% slopes (WmA)

Gravelly loam, 3-8% slopes (WmB)

Westphalia

Loamy fine sand, 0-2% slopes (WaA)

Loamy fine sand, 0-5% slopes (WaB, WfB)

Loamy fine sand, 2-5% slopes (WaB)

Fine sandy loam, 0-2% slopes (WdA)

Fine sandy loam, 0-5% slopes (WaB)

Fine sandy loam, 2-5% slopes (WdB)

Soils, 0-5% slopes (WhB)

Wethersfield

Gravelly loam, 3-8% slopes (WeB)

Whippany

Silt loam, 0-3% slopes (WhA)

Silt loam, 0-4% slopes (WhA)

Silt loam, 3-8% slopes (WhB)

Silt loam, sandy loam substratum, 0-3% slopes (W1A)

Silt loam, sandy loam substratum, 0-5% slopes (W1A)

Silt loam, sandy loam substratum, 3-8% (W1B)

Woodstown

Sandy loam, 0-2% slopes (WcA, WdA, WmA, WoA)

Sandy loam, 0-5% slopes (WmB)

Sandy loam, clayey substratum, 0-2% slopes (WkA)

Sandy loam, clayey substratum, 2-5% slopes (WkB,

Sandy loam, 2-5% slopes (WdB, WnB, WmB)

Fine sandy loam, 0-2% slopes (WmA)

Fine sandy loam, 2-5% slopes (WmB)

Fine sandy loam, clayey substratum, 0-2% slopes (WnA)

Fine sandy loam, clayey substratum, 2-5% slopes (WnB)

Loam, 0-2% slopes (W1A, WoA)

Loam, 2-5% slopes (W1B)

Woodstown and Dragston sandy loams, 0-3% slopes (WsA)

Woodstown and Dragston sandy loams, 0-5% slopes (WsB)

Woodstown and Dragston loamy sands, 0-5% slopes (WoB)

Woodstown and Dragston loams, 0-2% slopes (WnA)

Wooster

Loam, 3-8% slopes (WsB)

Wurtsboro

Gravelly loam, 3-8% slopes (WtB)