

Crop and Pasture Limitations
 Union County, Indiana

Soil name and map symbol	Comp Pct.	Cropland limitations and hazards	Pastureland limitations and hazards
BbA: Birkbeck-----	90	Low ph, crusting.	Low ph.
BbB1: Birkbeck-----	90	Low ph, crusting, water erosion.	Low ph, water erosion.
BbB2: Birkbeck-----	90	Low ph, crusting, water erosion.	Low ph, water erosion.
Br: Brookston-----	100	Ponding, wetness.	Ponding, wetness, trafficability limitation.
By: Brookston-----	95	Ponding, wetness, low ph, moderate available water capacity.	Ponding, wetness, trafficability limitation, low ph.
Co: Cope-----	100	Ponding, wetness.	Ponding, wetness, trafficability limitation.
Cp: Cope-----	100	Ponding, wetness.	Ponding, wetness, trafficability limitation.
CrA: Crosby-----	90	Wetness, low ph, moderate available water capacity, restricted permeability.	Trafficability limitation, low ph.
CrB2: Crosby-----	90	Wetness, low ph, crusting, water erosion, low available water capacity, restricted permeability.	Trafficability limitation, low ph, water erosion, low available water capacity.
De: Delmar-----	90	Wetness, low ph, crusting.	Wetness, trafficability limitation, low ph.
Ee: Eel-----	90	Flooding, low ph, crusting.	Flooding, low ph.
Es: Eel-----	90	Flooding, low ph, crusting.	Flooding, low ph.

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FaB: Fairmount-----	100	High ph, water erosion, very low available water capacity, restricted permeability.	High ph, water erosion, very low available water capacity.
FaC: Fairmount-----	100	High ph, water erosion, very low available water capacity, restricted permeability.	High ph, water erosion, very low available water capacity.
FaD: Fairmount-----	100	Equipment limitation(slope), high ph, water erosion, very low available water capacity, restricted permeability.	Equipment limitation(slope), high ph, water erosion, very low available water capacity.
FaE: Fairmount-----	100	Equipment limitation(slope), high ph, water erosion, very low available water capacity, restricted permeability.	Equipment limitation(slope), high ph, water erosion, very low available water capacity.
FaF: Fairmount-----	100	Equipment limitation(slope), high ph, water erosion, very low available water capacity, restricted permeability.	Equipment limitation(slope), high ph, water erosion, very low available water capacity.
FaG: Fairmount-----	100	Equipment limitation(slope), high ph, water erosion, very low available water capacity, restricted permeability.	Equipment limitation(slope), high ph, water erosion, very low available water capacity.
FcA: Fincastle-----	85	Wetness, low ph.	Trafficability limitation, low ph.
FcB1: Fincastle-----	90	Wetness, low ph, water erosion.	Trafficability limitation, low ph, water erosion.

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FeA: Fincastle-----	55	Wetness, low ph.	Trafficability limitation, low ph.
Crosby-----	30	Wetness, low ph, crusting, moderate available water capacity, restricted permeability.	Trafficability limitation, low ph.
FeB: Crosby-----	45	Wetness, low ph, water erosion, low available water capacity, restricted permeability.	Trafficability limitation, low ph, water erosion, low available water capacity.
Fincastle-----	45	Wetness, low ph, water erosion.	Trafficability limitation, low ph, water erosion.
FeB2: Crosby-----	45	Wetness, low ph, crusting, water erosion, low available water capacity, restricted permeability.	Trafficability limitation, low ph, water erosion, low available water capacity.
Fincastle-----	45	Wetness, low ph, water erosion.	Trafficability limitation, low ph, water erosion.
FmA: Fox-----	80	Limited rooting depth (sand and gravel), low ph, crusting, moderate available water capacity.	Limited rooting depth (sand and gravel), low ph.
FmB1: Fox-----	100	Limited rooting depth (sand and gravel), low ph, crusting, water erosion, moderate available water capacity.	Limited rooting depth (sand and gravel), low ph, water erosion.
FmB2: Fox-----	100	Limited rooting depth (sand and gravel), low ph, crusting, water erosion, moderate available water capacity.	Limited rooting depth (sand and gravel), low ph, water erosion.

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FmC2: Fox-----	100	Limited rooting depth (sand and gravel), low ph, crusting, water erosion, moderate available water capacity.	Limited rooting depth (sand and gravel), low ph, water erosion.
FnA: Fox-----	85	Limited rooting depth (sand and gravel), low ph, crusting, low available water capacity.	Limited rooting depth (sand and gravel), low ph, low available water capacity.
FnB1: Fox-----	100	Limited rooting depth (sand and gravel), low ph, crusting, water erosion, moderate available water capacity.	Limited rooting depth (sand and gravel), low ph, water erosion.
FnB2: Fox-----	100	Limited rooting depth (sand and gravel), low ph, crusting, water erosion, moderate available water capacity.	Limited rooting depth (sand and gravel), low ph, water erosion.
FnC2: Fox-----	100	Limited rooting depth (sand and gravel), low ph, crusting, water erosion, moderate available water capacity.	Limited rooting depth (sand and gravel), low ph, water erosion.
FnD1: Fox-----	100	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, crusting, water erosion, moderate available water capacity.	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, water erosion.
FnD2: Fox-----	100	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, crusting, water erosion, moderate available water capacity.	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, water erosion.

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FoB2: Fox-----	100	Limited rooting depth (sand and gravel), low ph, crusting, water erosion, moderate available water capacity.	Limited rooting depth (sand and gravel), low ph, water erosion.
FoC2: Fox-----	100	Limited rooting depth (sand and gravel), low ph, crusting, water erosion, moderate available water capacity.	Limited rooting depth (sand and gravel), low ph, water erosion.
FpC3: Fox-----	100	Limited rooting depth (sand and gravel), low ph, crusting, water erosion, moderate available water capacity.	Limited rooting depth (sand and gravel), low ph, water erosion.
FrC3: Fox-----	100	Limited rooting depth (sand and gravel), low ph, crusting, water erosion, moderate available water capacity.	Limited rooting depth (sand and gravel), low ph, water erosion.
FsD2: Fox-----	50	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, crusting, water erosion, moderate available water capacity.	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, water erosion.
Rodman-----	50	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, crusting, water erosion, low available water capacity.	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, water erosion, low available water capacity.

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FtD2: Fox-----	50	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, crusting, water erosion, moderate available water capacity.	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, water erosion.
Rodman-----	50	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, crusting, water erosion, low available water capacity.	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, water erosion, low available water capacity.
FtE2: Fox-----	50	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, crusting, water erosion, moderate available water capacity.	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, water erosion.
Rodman-----	50	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, crusting, water erosion, low available water capacity.	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, water erosion, low available water capacity.
FvD3: Fox-----	50	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, crusting, water erosion, moderate available water capacity.	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, water erosion.
Rodman-----	50	Equipment limitation(slope), equipment limitation (rock fragments in the surface layer), limited rooting depth (sand and gravel), high ph, water erosion, very low available water capacity.	Equipment limitation(slope), equipment limitation (rock fragments in the surface layer), limited rooting depth (sand and gravel), high ph, water erosion, very low available water capacity.

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FxD3:			
Fox-----	50	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, crusting, water erosion, moderate available water capacity.	Equipment limitation(slope), limited rooting depth (sand and gravel), low ph, water erosion.
Rodman-----	50	Equipment limitation(slope), equipment limitation (rock fragments in the surface layer), limited rooting depth (sand and gravel), high ph, water erosion, very low available water capacity.	Equipment limitation(slope), equipment limitation (rock fragments in the surface layer), limited rooting depth (sand and gravel), high ph, water erosion, very low available water capacity.
Ge:			
Genesee-----	90	High ph, wind erosion.	High ph, wind erosion.
Gg:			
Genesee-----	90	Flooding, equipment limitation (rock fragments in the surface layer), high ph.	Flooding, equipment limitation (rock fragments in the surface layer), high ph.
Gm:			
Genesee-----	90	High ph, crusting.	High ph.
Go:			
Genesee-----	90	High ph, crusting.	High ph.
Gs:			
Genesee-----	90	Flooding, high ph.	Flooding, high ph.
Gt:			
Genesee-----	85	Flooding, high ph.	Flooding, high ph.
HeF1:			
Hennepin-----	100	Equipment limitation(slope), high ph, water erosion, moderate available water capacity.	Equipment limitation(slope), high ph, water erosion.
HeF2:			
Hennepin-----	100	Equipment limitation(slope), high ph, water erosion, moderate available water capacity.	Equipment limitation(slope), high ph, water erosion.

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HeG1: Hennepin-----	100	Equipment limitation(slope), high ph, water erosion, moderate available water capacity.	Equipment limitation(slope), high ph, water erosion.
HeG2: Hennepin-----	100	Equipment limitation(slope), high ph, water erosion, moderate available water capacity.	Equipment limitation(slope), high ph, water erosion.
Ho: Homer-----	90	Wetness, limited rooting depth (sand and gravel), low ph, crusting, moderate available water capacity.	Trafficability limitation, limited rooting depth (sand and gravel), low ph.
Ko: Kokomo-----	90	Ponding, wetness, low ph.	Ponding, wetness, trafficability limitation, low ph.
MbA: Manlove-----	100	Low ph, crusting, moderate available water capacity.	Low ph.
MbB1: Manlove-----	100	Low ph, crusting, water erosion, moderate available water capacity.	Low ph, water erosion.
MbB2: Manlove-----	100	Low ph, crusting, water erosion, moderate available water capacity.	Low ph, water erosion.
McA: Martinsville-----	100	Low ph, crusting.	Low ph.
McB1: Martinsville-----	100	Low ph, crusting, water erosion.	Low ph, water erosion.
McB2: Martinsville-----	100	Low ph, crusting, water erosion.	Low ph, water erosion.

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McC2: Martinsville-----	100	Low ph, crusting, water erosion.	Low ph, water erosion.
MmA: Miami-----	100	Low ph, low available water capacity.	Low ph, low available water capacity.
MmB1: Miami-----	90	Low ph, water erosion, low available water capacity, restricted permeability.	Low ph, water erosion, low available water capacity.
MmB2: Miami-----	90	Low ph, crusting, water erosion, low available water capacity, restricted permeability.	Low ph, water erosion, low available water capacity.
MmC1: Miami-----	90	Low ph, water erosion, low available water capacity, restricted permeability.	Low ph, water erosion, low available water capacity.
MmC2: Miami-----	90	Low ph, crusting, water erosion, low available water capacity, restricted permeability.	Low ph, water erosion, low available water capacity.
MmD1: Miami-----	90	Equipment limitation(slope), low ph, water erosion, low available water capacity, restricted permeability.	Equipment limitation(slope), low ph, water erosion, low available water capacity.
MmD2: Miami-----	90	Equipment limitation(slope), low ph, crusting, water erosion, low available water capacity, restricted permeability.	Equipment limitation(slope), low ph, water erosion, low available water capacity.
MmE1: Miami-----	90	Equipment limitation(slope), low ph, water erosion, low available water capacity, restricted permeability.	Equipment limitation(slope), low ph, water erosion, low available water capacity.

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MmE2: Miami-----	90	Equipment limitation(slope), low ph, crusting, water erosion, low available water capacity, restricted permeability.	Equipment limitation(slope), low ph, water erosion, low available water capacity.
MsC3: Miami-----	90	Low ph, crusting, water erosion, low available water capacity, restricted permeability.	Low ph, water erosion, low available water capacity.
MsD3: Miami-----	90	Equipment limitation(slope), low ph, crusting, water erosion, low available water capacity, restricted permeability.	Equipment limitation(slope), low ph, water erosion, low available water capacity.
MsE3: Miami-----	90	Equipment limitation(slope), low ph, crusting, water erosion, low available water capacity, restricted permeability.	Equipment limitation(slope), low ph, water erosion, low available water capacity.
MtB1: Milton-----	100	Low ph, crusting, water erosion, low available water capacity, restricted permeability.	Low ph, water erosion, low available water capacity.
MtB2: Milton-----	100	Low ph, crusting, water erosion, low available water capacity, restricted permeability.	Low ph, water erosion, low available water capacity.
Nn: Nineveh-----	100	Limited rooting depth (sand and gravel), moderate available water capacity.	Limited rooting depth (sand and gravel).
OcA: Ockley-----	100	Low ph, crusting.	Low ph.

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OcB1: Ockley-----	100	Low ph, crusting, water erosion.	Low ph, water erosion.
OcB2: Ockley-----	100	Low ph, crusting, water erosion.	Low ph, water erosion.
OcC2: Ockley-----	100	Low ph, crusting, water erosion.	Low ph, water erosion.
OkB3: Ockley-----	100	Low ph, crusting, water erosion, moderate available water capacity.	Low ph, water erosion.
OkC3: Ockley-----	100	Low ph, crusting, water erosion, moderate available water capacity.	Low ph, water erosion.
ReA: Reesville-----	90	Wetness, low ph, crusting.	Trafficability limitation, low ph.
ReA2: Reesville-----	90	Wetness, low ph, crusting.	Trafficability limitation, low ph.
ReB2: Reesville-----	90	Wetness, low ph, crusting, water erosion.	Trafficability limitation, low ph, water erosion.
RgD2: Rodman-----	100	Equipment limitation(slope), equipment limitation (rock fragments in the surface layer), limited rooting depth (sand and gravel), high ph, water erosion, very low available water capacity.	Equipment limitation(slope), equipment limitation (rock fragments in the surface layer), limited rooting depth (sand and gravel), high ph, water erosion, very low available water capacity.

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RgE1: Rodman-----	100	Equipment limitation(slope), equipment limitation (rock fragments in the surface layer), limited rooting depth (sand and gravel), high ph, water erosion, very low available water capacity.	Equipment limitation(slope), equipment limitation (rock fragments in the surface layer), limited rooting depth (sand and gravel), high ph, water erosion, very low available water capacity.
RgE2: Rodman-----	100	Equipment limitation(slope), equipment limitation (rock fragments in the surface layer), limited rooting depth (sand and gravel), high ph, water erosion, very low available water capacity.	Equipment limitation(slope), equipment limitation (rock fragments in the surface layer), limited rooting depth (sand and gravel), high ph, water erosion, very low available water capacity.
RgF2: Rodman-----	100	Equipment limitation(slope), equipment limitation (rock fragments in the surface layer), limited rooting depth (sand and gravel), high ph, water erosion, very low available water capacity.	Equipment limitation(slope), equipment limitation (rock fragments in the surface layer), limited rooting depth (sand and gravel), high ph, water erosion, very low available water capacity.
Ro: Ross-----	100	High ph.	High ph.
RsA: Russell-----	100	Low ph, crusting, moderate available water capacity.	Low ph.
RsB1: Russell-----	100	Low ph, crusting, water erosion, moderate available water capacity.	Low ph, water erosion.
RsB2: Russell-----	85	Low ph, crusting, water erosion.	Low ph, water erosion.

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RsC1: Russell-----	100	Low ph, crusting, water erosion, moderate available water capacity.	Low ph, water erosion.
RsC2: Russell-----	100	Low ph, crusting, water erosion, moderate available water capacity.	Low ph, water erosion.
RsD1: Russell-----	100	Equipment limitation(slope), low ph, water erosion, moderate available water capacity.	Equipment limitation(slope), low ph, water erosion.
RsD2: Russell-----	100	Equipment limitation(slope), low ph, crusting, water erosion, moderate available water capacity.	Equipment limitation(slope), low ph, water erosion.
RsE1: Russell-----	100	Equipment limitation(slope), low ph, water erosion, moderate available water capacity.	Equipment limitation(slope), low ph, water erosion.
RsE2: Russell-----	100	Equipment limitation(slope), low ph, crusting, water erosion, moderate available water capacity.	Equipment limitation(slope), low ph, water erosion.
RtB3: Russell-----	100	Low ph, crusting, water erosion, moderate available water capacity, restricted permeability.	Low ph, water erosion.
RtC3: Russell-----	100	Low ph, crusting, water erosion, moderate available water capacity, restricted permeability.	Low ph, water erosion.

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Soil name and map symbol	Comp Pct.	Cropland limitations and hazards	Pastureland limitations and hazards
RtD3: Russell-----	100	Equipment limitation(slope), low ph, crusting, water erosion, moderate available water capacity, restricted permeability.	Equipment limitation(slope), low ph, water erosion.
RtE3: Russell-----	100	Equipment limitation(slope), low ph, crusting, water erosion, moderate available water capacity, restricted permeability.	Equipment limitation(slope), low ph, water erosion.
RuA: Miami-----	50	Low ph, low available water capacity, restricted permeability.	Low ph, low available water capacity.
Russell-----	50	Low ph, crusting, moderate available water capacity.	Low ph.
RuB1: Miami-----	50	Low ph, water erosion, low available water capacity, restricted permeability.	Low ph, water erosion, low available water capacity.
Russell-----	50	Low ph, crusting, water erosion, moderate available water capacity.	Low ph, water erosion.
RuB2: Miami-----	50	Low ph, crusting, water erosion, low available water capacity, restricted permeability.	Low ph, water erosion, low available water capacity.
Russell-----	50	Low ph, crusting, water erosion, moderate available water capacity.	Low ph, water erosion.
RuC1: Miami-----	50	Low ph, water erosion, low available water capacity, restricted permeability.	Low ph, water erosion, low available water capacity.
Russell-----	50	Low ph, crusting, water erosion, moderate available water capacity.	Low ph, water erosion.

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Soil name and map symbol	Comp Pct.	Cropland limitations and hazards	Pastureland limitations and hazards
RuC2: Miami-----	50	Low ph, crusting, water erosion, low available water capacity, restricted permeability.	Low ph, water erosion, low available water capacity.
Russell-----	50	Low ph, crusting, water erosion, moderate available water capacity.	Low ph, water erosion.
RvB3: Miami-----	50	Low ph, crusting, water erosion, low available water capacity, restricted permeability.	Low ph, water erosion, low available water capacity.
Russell-----	50	Low ph, crusting, water erosion, moderate available water capacity, restricted permeability.	Low ph, water erosion.
RvC3: Miami-----	50	Low ph, crusting, water erosion, low available water capacity, restricted permeability.	Low ph, water erosion, low available water capacity.
Russell-----	50	Low ph, crusting, water erosion, moderate available water capacity, restricted permeability.	Low ph, water erosion.
Sh: Shoals-----	90	Flooding, wetness, high ph.	Flooding, trafficability limitation, high ph.
Sn: Sloan-----	100	Flooding, wetness, high ph.	Flooding, wetness, trafficability limitation, high ph.
We: Westland-----	100	Ponding, wetness, moderate available water capacity.	Ponding, wetness, trafficability limitation.

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Soil name and map symbol	Comp Pct.	Cropland limitations and hazards	Pastureland limitations and hazards
WnB1: Wynn-----	100	Low ph, crusting, water erosion, moderate available water capacity, restricted permeability.	Low ph, water erosion.
WnB2: Wynn-----	100	Low ph, crusting, water erosion, moderate available water capacity, restricted permeability.	Low ph, water erosion.
WnC2: Wynn-----	100	Low ph, crusting, water erosion, moderate available water capacity, restricted permeability.	Low ph, water erosion.
WnD2: Wynn-----	100	Equipment limitation(slope), low ph, crusting, water erosion, moderate available water capacity, restricted permeability.	Equipment limitation(slope), low ph, water erosion.
WyC3: Wynn-----	100	Low ph, crusting, water erosion, low available water capacity, restricted permeability.	Low ph, water erosion, low available water capacity.
XeA: Xenia-----	85	Low ph, moderate available water capacity.	Low ph.
XeB1: Xenia-----	100	Low ph, water erosion, moderate available water capacity.	Low ph, water erosion.
XeB2: Xenia-----	85	Low ph, crusting, water erosion.	Low ph, water erosion.

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Soil name and map symbol	Comp Pct.	Cropland limitations and hazards	Pastureland limitations and hazards
XnA: Celina-----	50	Low ph, moderate available water capacity, restricted permeability.	Low ph.
Xenia-----	50	Low ph, moderate available water capacity.	Low ph.
XnB1: Celina-----	50	Low ph, water erosion, moderate available water capacity, restricted permeability.	Low ph, water erosion.
Xenia-----	50	Low ph, water erosion, moderate available water capacity.	Low ph, water erosion.
XnB2: Celina-----	50	Low ph, water erosion, moderate available water capacity, restricted permeability.	Low ph, water erosion.
Xenia-----	50	Low ph, water erosion, moderate available water capacity.	Low ph, water erosion.