

32B: Urban land-Windsor-Agawam complex, 0 to 8 percent slopes

The Urban land component makes up 45 percent of the map unit. Water movement in the most restrictive layer is low. This component is on urban land on nearly level to gently sloping outwash terraces. The parent material consists of glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches.

The Agawam component makes up 20 percent of the map unit. The natural drainage class is well drained. Water movement in the most restrictive layer is high. This component is on nearly level to gently sloping outwash terraces on river valleys. The parent material consists of loamy glaciofluvial deposits over sandy and gravelly glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches.

The Windsor component makes up 20 percent of the map unit. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. This component is on nearly level to gently sloping outwash terraces on river valleys. The parent material consists of sandy glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: NPSL **Land capability:** 8 **Vermont Agricultural Value Group:** 11

Vermont Residential Onsite Waste Disposal Group and Subgroup: V

This unit is not rated as a site for soil-based residential wastewater disposal systems. Due to the variable nature of the soils, on-site investigations are needed to determine their suitability.

| PHYSICAL and CHEMICAL PROPERTIES | | | | | | | EROSION FACTORS | | |
|----------------------------------|------------|-----------------|------------|--------------------|----------------------|----------------------|-----------------|-----|-----|
| Soil name | Depth (In) | Typical texture | Clay (Pct) | Soil reaction (pH) | Permeability (In/Hr) | Organic matter (Pct) | Kw | Kf | T |
| Urban land | 0-6 | CEM-MAT | 0 | --- | 0-0.001 | --- | --- | --- | --- |
| Agawam | 0-11 | FSL | 1-9 | 4.4 - 6.6 | 0.1-14 | 0.4-12 | .32 | .32 | 3 |
| | 11-16 | FSL | 1-9 | 4.4 - 6.6 | 0.1-14 | 0.1-2.6 | .43 | .43 | |
| | 16-26 | FSL | 1-6 | 4.4 - 6.6 | 1-100 | 0.1-2.6 | .37 | .37 | |
| | 26-45 | LFS | 0-5 | 4.4 - 6.6 | 1-100 | 0.0-0.7 | .49 | .49 | |
| | 45-55 | LFS | 0-5 | 4.4 - 6.6 | 1-100 | 0.0-0.7 | .49 | .49 | |
| | 55-65 | LS | 0-5 | 4.4 - 6.6 | 1-100 | 0.0-0.7 | .28 | .28 | |
| Windsor | 0-3 | LS | 0-5 | 3.9 - 6.5 | 1-100 | 0.5-19 | .17 | .17 | 5 |
| | 3-25 | LS | 0-8 | 4.5 - 6.5 | 1-100 | 0.1-2.0 | .15 | .15 | |
| | 25-65 | S | 0-8 | 4.7 - 6.9 | 1-100 | 0.0-0.5 | .02 | .02 | |

| WATER FEATURES | | | | | | SOIL FEATURES | | |
|----------------|------------------|---|-----------|----------|-----------|---------------|--------------|------------------------------------|
| Soil name | Hydrologic group | Depth to seasonal high water table (Feet) | Flooding | | Ponding | | Hydric soil? | Depth to bedrock (range in inches) |
| | | | Frequency | Duration | Frequency | Duration | | |
| Urban land | D | --- | None | | | | Unranked | --- |
| Agawam | B | --- | None | | None | | No | --- |
| Windsor | A | --- | None | | None | | No | --- |

| LAND USE LIMITATIONS | | | | AGRICULTURAL YIELD DATA | |
|----------------------|---------------------------|-------------|-----------|-------------------------|--------------|
| Soil name | Land use | Rating | Reason ** | Crop name | Yield / acre |
| Windsor | Dwellings with basements: | Not limited | | Tobacco | 1500 Lbs |
| Agawam | Dwellings with basements: | Not limited | | Irish potatoes | 270 Cwt |
| Urban land | Dwellings with basements: | Not rated | | Grass-legume hay | 4.5 Tons |
| | | | | Alfalfa hay | 5 Tons |
| | | | | Grass-clover | 8.5 AUM |
| | | | | Sweet corn | 6.3 Tons |
| | | | | Corn silage | 24 Tons |

| WOODLAND MANAGEMENT | | | | |
|---------------------|--------------------|--------|--------|-----------------------------|
| Soil name | Management concern | Rating | Reason | Vermont natural communities |

Soil Fact Sheet - Continued

Windsor County, Vermont

| | | | | |
|------------|----------------------------|-------------------|-----------|---|
| Windsor | Harvest equip operability: | Moderately suited | Sandiness | White Pine-Red Oak-Black Oak Forest, White Pine-Northern Hardwood Forest Variant, Pine-Oak-Heath Sandplain Forest |
| Agawam | Harvest equip operability: | Well suited | | |
| Urban land | Harvest equip operability: | Not rated | | |
| Windsor | Road suitability: | Moderately suited | Sandiness | |
| Agawam | Road suitability: | Well suited | | |
| Urban land | Road suitability: | Not rated | | |
| Windsor | Erosion hazard (off-road): | Slight | | |
| Agawam | Erosion hazard (off-road): | Slight | | |
| Urban land | Erosion hazard (off-road): | Not rated | | |