

# Soil Fact Sheet

Orange County, Vermont

AgB: Agawam fine sandy loam, 3 to 8 percent slopes

|  |                      |                                     |
|--|----------------------|-------------------------------------|
| Important farmland classification: Prime | Land capability: 2 s | Vermont Agricultural Value Group: 1 |
|--|----------------------|-------------------------------------|

| 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 |
| Agawam                           | 0-11       | FSL             | 1-9        | 4.4 - 6.6          | 0.1-14               | 0.4-12               | .37             | .37 | 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 |   |

| 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      |              |                                    |
| Agawam         | B                | ---                                       | None      |          | None      |               | No           | ---                                |

| LAND USE LIMITATIONS |                           |              |           | AGRICULTURAL YIELD DATA |              |
|----------------------|---------------------------|--------------|-----------|-------------------------|--------------|
| Soil name            | Land use                  | Rating       | Reason ** | Crop name               | Yield / acre |
| Agawam               | Dwellings with basements: | Not limited  |           |                         |              |
| Agawam               | Pond reservoir areas:     | Very limited | Seepage   |                         |              |

| WOODLAND MANAGEMENT |                            |             |        |                             |
|---------------------|----------------------------|-------------|--------|-----------------------------|
| Soil name           | Management concern         | Rating      | Reason | Vermont natural communities |
| Agawam              | Harvest equip operability: | Well suited |        |                             |
| Agawam              | Road suitability:          | Well suited |        |                             |
| Agawam              | Erosion hazard (off-road): | Slight      |        |                             |