**2022 Massachusetts Soils Workshop**

**Course Outline**

**Updated**: 3/23/2022

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| **EVENT** | Massachusetts Soils Workshop - 2022 |
| **DATE** | Wednesday, June 8th, 2022 |
| **TIME** | 9-4 |
| **LOCATION** | Lilac Hedge Farm, 216 Wachusett St. Rutland, MA |
| **DESCRIPTION & PURPOSE** | * Provide education on field techniques in describing soils and use of soil survey data. * Update users on current changes to soil data and recent research and programs. * Strengthen and maintain network of entities that can benefit from use of soil survey information in resource management and planning, and program implementation. * Bring awareness of district and NRCS programs and opportunities. * Solicit feedback from users of soil survey. |

**PROPOSED PROGRAM**

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| **TIME** | **TOPIC / ACTIVITY / SPEAKER** | **SPEAKER / FACILITATOR** |
| 8:30-9:00 | Registration/snacks | NRCS Programs Booth  Conservation District Programs Booth |
| 9:00-9:10 | Welcome and Introduction | District Supervisor |
| 9:10-9:20 | Conservation District Updates and Activities | Sadie Constantine – Worcester Conservation District |
| 9:20-10:00 | Soils of Massachusetts - parent materials, formation, morphology | Maggie Payne and/or Al Averill |
| 10:00-10:45 | Soil Survey – How it’s made, what it shows, how to access data | Geraldine Vega Pizarro; NRCS MLRA Soil Scientist |
| 10:45-11:00 | Break |  |
| 11:00-11:30 | Soil Water Relationships – Soil drainage class, hydric soil morphology | Maggie Payne; NRCS MA/VT State Soil Scientist |
| 11:30-12:00 | New Developments in Soil Survey and Soil Research – Hydric soils study, Coastal Soil Survey, pXRF, Dynamic Soil Properties | Milton Vega; NRCS MLRA Soil Scientist |
| 12:00-12:45 | Lunch - Provided | NRCS Programs Booth  Conservation District Programs Booth |
| 12:45-1:00 | Transition to field sessions (4 groups; rotating sessions) |  |
| 1:00-1:40  1:40-2:20  2:20-3:05  3:05-3:45 | -Soil Pit 1 – Paxton (parent materials)  -Soil Pit 2 & 3 – Woodbridge and Ridgebury (hydrology)  -Soil Textures  -Demos – pXRF and Rainfall Simulator | Maggie Payne, Al Averill, Milton Vega, Geraldine Vega Pizarro |
| 3:45-4:00 | Participant evaluation, distribution of continuing education documentation |  |