

The NYS IPM Network for Environment and Weather Applications

NEWA Vision and Mission Statement – 2016-2021

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Vision Statement – NEWA will become *the* source for weather-related information for the IPM practitioner in the Northeast, mid-Atlantic, Southeast, and North Central regions, and wherever NEWA tools are valid.

Mission Statement – NEWA will deliver, to agricultural and green industries, weather information and applications to support and advance IPM and best management practices for growers and producers.

To achieve this, NEWA must grow and adapt. NEWA should...

- Have weather stations strategically located in partner states.
- Expand by utilizing weather data from other mesonets operating in the Northeast, mid-Atlantic, Southeast, and North Central regions, as identified by the Northeast Regional Climate Center (NRCC) and State Climatologists.
- Become capable of utilizing data from the National Digital Forecast Database for “virtual” weather stations and data quality control.
- Continue to expand the capacity to utilize data from other weather station manufacturers.
- Partner with adjoining states in the Northeast, mid-Atlantic, Southeast, and North Central regions and sustain the partnerships with Connecticut, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New York, North Carolina, Pennsylvania, Vermont, and Virginia.
- Partner with growers and producers in states outside the partner state network.

To realize this vision, NEWA must provide easy to use, accurate and timely weather information applications. Attributes and actions...

- Easy to navigate, customizable, user-friendly and interactive website that is end user device responsive.
- Individualized weather and pest forecast model reports sent to smart phones via email or app.
- Provide NWS “current conditions” and attribution for weather station locations.
- Collaborate with the NRCC for database management, weather data quality control and archiving.
- Work with National Agricultural Statistics Services to ascertain their weather information needs and format NEWA data accordingly.
- Deploy state-of-the-art pest forecast, risk and simulation models for IPM in all agricultural and green industry commodities for which they are available and valid.
- Deploy state-of-the-art horticultural and agronomic models for best management practices for which they are available and valid.

All models deployed as NEWA tools must be based on published literature and have been field-validated. Weather algorithms and units used for weather data must be those accepted by NOAA standards, while reflecting the needs of the NEWA audience. Weather station equipment must be operating within manufacturer’s specifications and appropriately maintained. The NEWA website must be up-to-date and utilize cutting edge technology and software.

Comments and suggestions are welcome, contact newa@cornell.edu.