Natural Resources Conservation Service

Supplement to Conservation Practice Standard

Integrated Pest Management

(Acre)

Code 595

This supplement contains additional criteria for integrated pest management for practice certification when precision agriculture technology is used.

At least one pesticide application per year or cropping cycle has been made with one or more of the following precision agriculture techniques.

Technologies applicable to all crops and pastureland:

GPS-Enabled Applications

Requirements for Certification:

1. Integrated Pest Management plan developed by NRCS or TSP that meets requirements set forth by Florida NRCS Integrated Pest Management Standard (i.e., WIN-PST evaluation to minimize environmental risk).
2. Copy of pesticide application records and when available geo-referenced as-applied maps. Maps may be supplied in hardcopy or electronic form [e.g., shapefile (.shp) or Rich Text Format (RTF)]. As-applied maps should indicate field boundaries, product applied, rate and date applied, and a map legend
3. Documentation that GPS-enabled navigation is installed on the pesticide application equipment.

Map-Based Geographic Information Systems (GIS) Applications

Requirements for Certification

1. Integrated Pest Management plan developed by NRCS or TSP that meets requirements set forth by Florida NRCS Integrated Pest Management Standard (i.e., WIN-PST evaluation to minimize environmental risk).
2. Copy of GIS prescription map that has been created from yield maps, crop, aerial images, etc. Maps may be supplied in hardcopy or electronic form [e.g., shapefile (.shp) or Rich Text Format (RTF)]. Prescription maps should indicate field boundaries, GIS-based prescription application recommendations, and a map legend.
3. Copy of pesticide application records and when available as-applied maps. Maps (hard copy or electronic) should indicate field boundaries, GPS-based product rate and date applied, and a map legend.
4. Documentation that GPS-enabled navigation is installed on the pesticide application equipment.

Additional technology for use on Florida citrus only:

"On-the-Go" Sensor-Based Application Technology

Requirements for Certification

1. Integrated Pest Management plan developed by NRCS or TSP that meets requirements set forth by Florida NRCS Integrated Pest Management Standard (i.e., WIN-PST evaluation to minimize environmental risk) and UF/IFAS Sensor-Controlled Spray Systems for Florida Citrus (HS-872).
2. Copy of pesticide application records and, when available, as-applied maps. Maps (hard copy or electronic) should indicate field boundaries, product rate and date applied, and a map legend.
3. Documentation of sensor type that is used to detect the tree and its size and have software applications using the "look ahead" feature. These can be ultrasonic or laser sensors.