

**CONFIDENTIAL**



**Sysco SUSTAINABLE/  
INTEGRATED PEST MANAGEMENT INITIATIVE**

**Improving Stewardship in  
Canned and Frozen Fruit and Vegetable Production**

**Sysco SUSTAINABLE/IPM STANDARD AUDIT v09.03**

**Revised 2/28/2017**

**Prepared for Sysco by:**

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**Audit Information**

**Auditor Name, Title, Company** \_\_\_\_\_

**Start Date and Time** mm/dd/yyyy hh:mm am/pm \_\_\_\_\_

**End Date and Time** mm/dd/yyyy hh:mm am/pm \_\_\_\_\_

**Foreman or Contact Person (and email)** \_\_\_\_\_

**City** \_\_\_\_\_

**State/Province** \_\_\_\_\_

**Country** \_\_\_\_\_

**Audit Summary** \_\_\_\_\_

**Crops**

**Crop**

Name: \_\_\_\_\_

Number of years supplier has produced this crop for Sysco: \_\_\_\_\_

Total number of acres of this crop produced: \_\_\_\_\_

States/country where grown: \_\_\_\_\_

Crop represents what percent of production for Sysco: \_\_\_\_\_

**Crop**

Name: \_\_\_\_\_

Number of years supplier has produced this crop for Sysco: \_\_\_\_\_

Total number of acres of this crop produced: \_\_\_\_\_

States/country where grown: \_\_\_\_\_

Crop represents what percent of production for Sysco: \_\_\_\_\_

**Crop**

Name: \_\_\_\_\_

Number of years supplier has produced this crop for Sysco: \_\_\_\_\_

Total number of acres of this crop produced: \_\_\_\_\_

States/country where grown: \_\_\_\_\_

Crop represents what percent of production for Sysco: \_\_\_\_\_

**Entities**

**Supplier to Sysco**

Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City,State,Zip: \_\_\_\_\_

**Processing Plant (If different from above.)**

Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City,State,Zip: \_\_\_\_\_

**Grower(s) (List only those growers audited.)**

Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Participant in Potato Sustainability Initiative? (Yes or No) \_\_\_\_\_

## Categories

### Preliminaries

1.01 Is production approved under another on-site environmental practice audit program? (This item is informational only and will not affect score.)

Yes No

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1.01 *Verify* Indicate other on-site environmental practice audit program(s) and view certificate or other documentation:

Cornell IPM Elements

Food Alliance

GLOBALG.A.P.

Protected Harvest

Rainforest Alliance

USDA Certified Organic

Potato Sustainability Initiative (If yes, USE PSI PROCESSING FACILITY AUDIT, NOT THIS AUDIT)

Other (specify)

### Minimum standards

2.01 Biosolids are not used on fields within one year prior to planting a fruit or vegetable crop, unless permission has been requested by the supplier and granted in writing by Sysco Quality Assurance management. Untreated sewage is never used. To date, an exception has been granted for sweet corn grown in rotation with field corn, to which the application of biosolids is a common practice.

Pass Fail

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2.01 *Verify* Auditor viewed the following documents:

Supplier written policy statement

Supplier written requirement to sub-suppliers

Nutrient application records for randomly selected fields used to produce fruit or vegetable crops grown for Sysco

2.02 Genetically modified fruit and vegetable crops are not grown, unless permission has been requested by the supplier and granted in writing by Sysco Quality Assurance management. The use of genetic engineering with respect to certain raw materials including corn, soybeans and rice is widespread, and these products are accepted by Sysco Corporation. Products distributed by Sysco comply with all applicable federal and state laws and labeling regulations regarding genetically engineered food products.

Pass Fail

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2.02 *Verify* Auditor viewed the following documents:  
Supplier written policy statement  
Supplier written requirement to sub-suppliers  
Seed supplier(s) written certification  
Seed purchase records for randomly selected locations  
Supplier product testing records for GMO content, if any

2.03 SUPPLIER and SUB-SUPPLIERS are aware of legal requirements pertaining to pesticide and nutrient applications, and employee health and safety, and have no open or unresolved violations.

Pass Fail

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2.03 *Verify* Auditor viewed the following evidence of compliance with applicable legal requirements:  
Supplier written policy statement regarding compliance with legal requirements  
Supplier written compliance requirement to sub-suppliers  
Pesticide applicator licensing/certification for randomly selected applicators  
Worker protection standard/right-to-know materials  
Availability of personal protective equipment (PPE) for pesticides used

2.03-a1 Has the SUPPLIER been cited for violations since the previous audit or within the last two years if they are a new supplier? If yes, explain in detail including current status in memo. (Informational only, does not affect score.)

Yes No

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2.03-a1 *Verify* SUPPLIER violations may pertain to:

- Air pollution
- Wastewater disposal
- Water contamination
- Noise complaints
- Waste disposal
- Employee welfare and safety
- Other (describe)
- None

2.04 Complete, legible pesticide application records are available for the current season. These records may be with SUPPLIER or SUB-SUPPLIER and must be maintained for three years.

Pass Fail

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2.04 *Verify* FOR A PASS RATING, ALL of the following information must be included on pesticide application records:

- Time
- Date
- Location
- Target pest
- Material applied
- Rate
- Applicator
- Application method
- Weather conditions: estimated or measured wind speed and direction
- Weather conditions: estimated or measured temperature

2.05 Complete, legible nutrient application records are available for the current season. These records may be with SUPPLIER or SUB-SUPPLIER and must be maintained for three years.

Pass Fail

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2.05 *Verify* FOR A PASS RATING, ALL of the following non-optional information must be included on nutrient application records:

- Date
- Time (optional)
- Weather (optional)
- Location
- Material applied Rate
- Applicator
- Application method

**Scored General Standards**

3.01-a1 A map or list identifies environmentally sensitive areas at the PROCESSING PLANT.

Possible Score 10  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.01-a1 *Verify* FOR FULL POINTS, ALL environmentally sensitive areas at or immediately adjacent to the PROCESSING PLANT must be identified. Specify sensitive areas identified at the PROCESSING PLANT:

- Aquifers
- Surface water bodies
- Wetlands
- Wellheads
- Endangered/threatened species habitat
- Chemical storage
- Storm drains
- Fuel tanks
- On site dwellings

Pollinator habitat  
Other (describe)  
None

3.01-a2 A map or list identifies environmentally sensitive areas at each FIELD PRODUCTION site.

Possible Score 10

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.01-a2 *Verify* FOR FULL POINTS, ALL environmentally sensitive areas must be identified at or immediately adjacent to all FIELD PRODUCTION sites. Specify sensitive areas identified for FIELD PRODUCTION sites:

Aquifers  
Surface water bodies  
Wetlands  
Wellheads  
Endangered/threatened species habitat  
Chemical storage  
Storm drains  
Fuel tanks  
On site dwellings  
Other (describe)  
None

3.01-b New field production has NOT been established in sensitive areas since the previous audit, or within the past three years for new suppliers, except where production is related to the sensitive feature, e.g., cranberries, rice in wetlands, in which case special protective measures should be in place.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.01-c1 Adequate measures are in place to protect sensitive areas at the PROCESSING PLANT.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.01-c1 *Verify* Measures at the PROCESSING PLANT to protect sensitive areas include:

- Undeveloped reserves Filter strips
- Signage
- Fencing
- Buffers, details (e.g. size)
- Invasive plant removal
- Locked areas
- Adequate containment
- Other (describe)

3.01-c2 Adequate measures are in place to protect sensitive areas at FIELD PRODUCTION sites.

Possible Score 20  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.01-c2 *Verify* Measures at FIELD PRODUCTION sites to protect sensitive areas include:

- Undeveloped reserves Filter strips
- Signage
- Fencing
- Buffers, details (e.g. size)
- Invasive plant removal
- Locked areas
- Adequate containment
- Other (describe)

3.01-d Sensitive areas at the PROCESSING PLANT and FIELD PRODUCTION sites are visually monitored at least annually. Status and corrective actions taken are recorded in writing. Note frequency of monitoring in memo.

Possible Score 10  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.01-e Quantitative measures of the quality of sensitive areas at the PROCESSING PLANT and FIELD PRODUCTION sites are made and recorded, and improved over time.

Possible Score 10  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.01-e *Verify* Identify quantitative measures:

- Species present
- Water quality measures
- Incoming irrigation or processing water testing
- Outgoing runoff or wastewater testing
- Other (describe)

3.02-a SUPPLIER/SUB-SUPPLIERS create habitat and forage sources on the farm for pollinators.

Possible Score 40  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.02-a *Verify* Strategies implemented to provide habitat and forage opportunities for pollinators may include:

- A variety of plant species attractive to pollinators are planted and/or existing plantings are maintained in non-cropped areas and planned to provide nectar and pollen sources throughout the foraging season
- Flowering cover crops with abundant pollen and nectar are planted
- Nesting sites are created such as areas of semi-bare, untilled ground for ground nesting bees and tube bundles and blocks for wood and cavity nesting bees
- Clean water sources are available on the farm for pollinators
- Other (describe)

3.03-a1 SUPPLIER has emergency contact information and staff procedures readily available in the event of possible emergencies.

Possible Score 20  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.03-a2 SUB-SUPPLIERS have emergency contact information and staff procedures readily available in the event of possible emergencies.

Possible Score 20  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.03-b1 SUPPLIER emergency management plans are written and readily accessible.

Possible Score 20  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



3.03-b1 *Verify* FOR FULL POINTS, SUPPLIER emergency management plans must have at least the following elements:

- Potential emergencies and response
- Staff roles and responsibilities
- Training protocol for staff
- Resources for control/contain/cleanup
- Emergency contacts
- Other (describe)

3.03-b2 SUB-SUPPLIER emergency management plans are written and readily accessible.

Possible Score 20  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.03-b2 *Verify* FOR FULL POINTS, SUB-SUPPLIER emergency management plans must have at least the following elements:

- Potential emergencies and response
- Staff roles and responsibilities
- Training protocol for staff
- Resources for control/contain/cleanup
- Emergency contacts
- Other (describe)

3.03-c1 SUPPLIER emergency management plans address potential emergencies.

Possible Score 10  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.03-c1 *Verify* FOR FULL POINTS, SUPPLIER emergency management plans must address at least the first four emergencies below:

- Fuel spills
- Chemical spills
- Worker exposure
- Fire
- Other (describe)

3.03-c2 FOR FULL POINTS, SUB-SUPPLIER emergency management plans address potential emergencies.

Possible Score 10  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.03-c2 *Verify* FOR FULL POINTS, SUB-SUPPLIER emergency management plans must address at least the first five emergencies below:

- Fire
- Fuel spills
- Pesticide spills
- Nutrient spills
- Worker exposure
- Other (describe)

3.03-d SUPPLIER or SUB-SUPPLIERS have experienced an environmental emergency since the previous audit or within three years if new supplier. If yes, describe the emergency and response in memo. (Informational only, does not affect score.)

Possible Score 0

Yes No

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.04-a SUPPLIER and/or SUB-SUPPLIERS have emergency contact information and staff procedures readily available in the event of unexpected drift.

Possible Score 30

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.04-b Application equipment is appropriate for the use. Calibration is current and written calibration records are available for at least the most recent calibration.

Possible Score 30

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.04-c SUPPLIER and/or SUB-SUPPLIER drift management plans are written and readily accessible.

Possible Score 40

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.04-c *Verify* FOR FULL POINTS, drift management plans must be available for all FIELD PRODUCTION sites where applications are made and have at least the following elements:

Staff roles and responsibilities

Training protocol for staff

Information to help applicator to determine when weather conditions are unsafe for specific types of pesticides

Information to help applicator select or adjust formulations, additives, equipment, techniques, or other options to reduce drift.

Contact information for those requiring notification if unexpected drift has occurred

3.04-d Have SUPPLIER or SUB-SUPPLIERS been cited for off-target application of agrochemicals since the previous audit, or within the last three years if a new supplier? If yes, describe situation and response in memo. (Informational only, does not affect score.)

Possible Score 0

Yes No

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.05-a1 Visibly eroded areas around PROCESSING PLANT sites are not present or extremely limited in size and number with corrective measures in place.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.05-a2 Visibly eroded areas around FIELD PRODUCTION sites are not present or are extremely limited in size and number with corrective measures in place.

Possible Score 30

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.05-b1 Protective measures are in place at the PROCESSING PLANT where the threat of soil erosion exists from wind or water.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.05-b1 *Verify* Protective measures at the PROCESSING PLANT include:

Terraces

Mulches

Manage drainage Buffer or filter strips

Established vegetation

Other (describe)

3.05-b2 Protective measures are in place at FIELD PRODUCTION sites where the threat of soil erosion exists from wind or water.

Possible Score 30

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.05-b2 *Verify* Protective measures at FIELD PRODUCTION sites include:

Windbreaks (fencing, plantings)

Terraces

Cover crops

Mulches

Contours

Managed drainage

Buffer or filter strips

Limiting duration of bare soil, e.g., to periods when crop is competing with other vegetation for water, nutrients

Other (describe)

3.06-a1 SUPPLIERS and/or SUB-SUPPLIERS monitor and record basic soil health indicators for FIELD PRODUCTION sites.

Possible Score 30

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.06-a1 *Verify* For full points, the following basic indicators must be monitored and recorded for all FIELD PRODUCTION sites.

Fertility (N, P, K) as per soil or tissue sample

pH

3.06-a2 SUPPLIERS and/or SUB-SUPPLIERS monitor and record advanced soil health indicators.

Possible Score 10

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.06-a2 *Verify* FOR FULL POINTS, at least four of the following must be monitored and recorded for all FIELD PRODUCTION sites:

Compaction

Infiltration Rate

Soil respiration

Structure

Aggregate stability

Texture

Earthworm populations

Salinity

Available water capacity  
Surface hardness  
Organic matter  
Active carbon  
Potentially mineralizable N  
Root health rating  
Micronutrients

3.06-b SUPPLIERS and/or SUB-SUPPLIERS implement adequate protective/corrective measures to improve and maintain soil health.

Possible Score 40

Points Earned \_\_\_\_\_

Memo:

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3.06-b *Verify* Protective/corrective measures have been implemented to maintain and improve soil health such as:

Reduced tillage  
Cover crops/green manures  
Flotation tires  
Reduced tire air pressure  
Dual wheels  
Fixed travel lanes  
Reduced trips across field  
Soil amendments  
Other (describe)

3.07-a1 SUPPLIER does not burn trash.

Possible Score 20

Points Earned \_\_\_\_\_

Memo:

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3.07-a1 *Verify* SUPPLIER verification:

Burn piles are not used to dispose of debris (garbage, broken pallets) at processing plants or production sites  
Burning vegetation is limited to crops where it is an accepted  
Best Management Practice (BMP), e.g., Extension-recommended burning of infected plant material to reduce disease  
inoculum. Describe BMP in memo.

3.07-a2 SUB-SUPPLIERS do not burn trash.

Possible Score 30

Points Earned \_\_\_\_\_

Memo:

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3.07-a2 *Verify* SUB-SUPPLIER verification:

Burn piles are not used to dispose of debris (garbage, broken pallets) at processing plants or production sites.

Burning vegetation is limited to crops where it is an accepted.

Best Management Practice (BMP), e.g., Extension- recommended burning of infected plant material to reduce disease inoculum. Describe BMP in memo.

3.08-a SUPPLIER has formed a multidisciplinary IPM advisory team. (Only one team is required per supplier regardless of the number of crops produced.)

Possible Score 50

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.08-a *Verify* FOR FULL POINTS, team must include the following:

Insect pest management expertise

Disease management expertise

Weed management expertise

Agronomy/horticulture expertise

Representative from Extension, NRCS, Soil & Water Conservation District (optional)

3.08-b Sustainable Ag/IPM team meets at least annually to review performance and identify and plan improvements. Note meeting frequency and date of last meeting in memo.

Possible Score 50

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.09-a SUPPLIER implements measures to improve PROCESSING WATER use efficiency.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.09-a *Verify* Implemented measures may include:

Upgrading processing equipment (describe)

Water reuse

Water per unit of production

Monitor established water budget for plant

Low flow nozzles

Other (describe)

3.09-b SUPPLIER and/or SUB-SUPPLIERS implement measures to improve IRRIGATION WATER use efficiency.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.09-b *Verify* Implemented measures may include:

Drop nozzles installed on overhead irrigation

Furrow/flood irrigation replaced by overhead or drip

Laser leveling flood-irrigated fields

Shutoff devices triggered by rainfall

Flow meters on irrigation pumps

Water budget in place

Use of soil and plant moisture technologies such as soil probes, precipitation / evaporation monitoring

Other (describe)

3.09-c1 SUPPLIER measures and reports performance, e.g., processing water use per unit of production. Describe in memo.

Possible Score 10

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.09-c2 SUB-SUPPLIERS measure and report performance, e.g., irrigation water use per unit of production. Describe in memo.

Possible Score 10

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.09-d SUPPLIER and/or SUB-SUPPLIERS implemented measures to improve irrigation water quality.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.09-d *Verify* Implemented measures may include.

Sediment / drainage = establish vegetation cover (hedgerows, herbaceous barriers, windbreak/shelterbelts, vegetated field borders) in areas sensitive to erosion that drain into waterways; contour buffer strips/terracing; conservation tillage; mulching around crops and cover cropping; and cross wind trap strips/planting perpendicular to the prevailing wind direction.

Salinity = identify saline recharge and discharge areas by testing; manage irrigation water to minimize salt delivery to surface and ground water.

Nutrient management = establish minimum setback distance (approx. 35 feet) between application area and closest waterway (includes canals, ditches, sink holes, etc.)

Pest management = use "smart sprayer" and other technologies that improve application precision; minimum setback distance ((approx. 35 feet) between application area and closest waterway (includes canals, ditches, sink holes, etc.)

3.10-a1. SUPPLIER implements measures to reduce PROCESSING PLANT energy use.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.10-a1 *Verify* Implemented measures may include:

Improving energy efficiency of processing equipment

Undergoing an energy use audit and implementing recommendations

Electrical submetering to track energy use by areas of a facility

Other (describe)

3.10-a2 SUPPLIER and/or SUB-SUPPLIERS implement measures to reduce FIELD PRODUCTION energy use.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.10-a2 *Verify* Implemented measures may include:

Tractor auto-steering, reduced tillage or other practices to reduce trips cross the field

Improving energy efficiency of irrigation pumps

Reduction in petroleum based inputs (e.g., petroleum based fertilizers)

Undergoing energy use audit and implementing recommendations

Other (describe)

3.10-b1 SUPPLIER implements measures to reduce PROCESSING PLANT use of non-renewable energy.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



3.10-b1 *Verify* Implemented measures may include:

- Transition to bio-diesel
- Transition to ethanol
- Transition to wind energy
- Transition to solar energy
- Purchase of wind/solar energy
- Carbon credit
- NOx credit
- Other (describe)

3.10-b2 SUPPLIER and/or SUB-SUPPLIERS implement measures to reduce FIELD PRODUCTION use of non-renewable energy.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.10-b2 *Verify* Implemented measures may include:

- Transition to bio-diesel
- Transition to ethanol
- Transition to wind energy
- Transition to solar energy
- Purchase of wind/solar energy
- Carbon credit
- NOx credit
- Other (describe)

3.10-c1 SUPPLIER measures and report performance, e.g., processing plant fuel use per unit of production or transition to renewable fuels. Describe in memo.

Possible Score 5

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.10-c2 SUB-SUPPLIERS measure and report performance, e.g., overall fuel use per unit of production or transition to renewable fuels. Describe in memo.

Possible Score 5

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.11-a1 SUPPLIER reuses resources onsite.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.11-a1 *Verify* FOR FULL POINTS, SUPPLIER should reuse all resources available for reuse. These may include:

Processing waste is land-spread or fed to animals

Processing water is reused for irrigation

Plant material from field operations is reused, e.g., prunings are chipped and returned to soil

Other (describe)

3.11-a2 SUB-SUPPLIER reuses resources onsite.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.11-a2 *Verify* FOR FULL POINTS, SUB-SUPPLIER should reuse all resources available for reuse. These may include:

Processing waste is land-spread or fed to animals

Processing water is reused for irrigation

Plant material from field operations is reused, e.g., prunings are chipped and returned to soil

Other (describe)

3.11-b1 SUPPLIER measures and records performance, e.g., types/amounts of on-site reuse of renewables. Describe in memo.

Possible Score 5

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.11-c1 SUB-SUPPLIERS measure and record performance, e.g., types/amounts of on-site reuse of renewables. Describe in memo.

Possible Score 5

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.12-a1 SUPPLIER recycles materials.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.12-a1 *Verify* FOR FULL POINTS, SUPPLIER should recycle all recyclable resources. These may include:

- Glass Metal Paper Plastics
- Batteries
- Computers
- Pesticide containers
- Other (describe)

3.12-a2 SUB-SUPPLIERS recycle materials.

Possible Score 20  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.12-a2 *Verify* FOR FULL POINTS, SUB-SUPPLIERS should recycle all recyclable resources. These may include:

- Glass Metal Paper Plastics
- Batteries
- Computers
- Pesticide containers
- Other (describe)

3.12-b1 SUPPLIER measures and records performance, e.g., types/amounts recycled. Describe in memo.

Possible Score 5  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.12-b2 SUB-SUPPLIERS measure and record performance, e.g., types/amounts recycled. Describe in memo.

Possible Score 5  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.12-c1 SUPPLIER purchases product with recycled content and/or reduces waste.

Possible Score 10  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.12-c1 *Verify* Implemented purchases may include:

- Recycled card board
- Recycled office paper
- Recycled pallets
- Recycled building supplies
- Other

3.13-a1 SUPPLIERS/SUB-SUPPLIERS maintain fair and open communications and mutual agreements with employees and trade partners.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.13-a1 *Verify* Implemented measures may include:

- Employee involvement in decision making
- Financial/other performance measures transparency
- Formal employee grievance procedures
- Trade/partner customer satisfaction surveys
- Other (describe)

3.13-b Has SUPPLIER been involved in significant disputes with customers, trade partners or employees (e.g., strikes, litigation) since the previous audit or within the previous three years if a new supplier? If yes, describe in memo. (Informational only, does not affect score.)

Possible Score 0

Yes No

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.13-c Are any significant disputes open or unresolved? If yes, please explain in memo. (Informational only, does not affect score.)

Possible Score 0

Yes No

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.14-a1 SUPPLIER provides opportunities for employee advancement.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.14-a1 *Verify* Advancement opportunities may include:

- Employee education and cost share
- Education leave
- Internal advancement policy vs. external hires
- In-house education and training
- Other (describe)

3.14-b1 SUPPLIER measures and records performance, e.g., employee participation rates, dollar investment, etc.

Possible Score 5  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.15-a1 SUPPLIER provides rewards/incentives for innovation and improvement.

Possible Score 20  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.15-a1 *Verify* Rewards/incentives may include:

- Profit sharing with employees/trade partners
- Incentive bonus for employees
- Quality bonus to suppliers
- Safety incentives
- Other (describe)

3.15-a2 SUB-SUPPLIERS provide rewards/incentives for innovation and improvement.

Possible Score 20  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.15-a2 *Verify* Rewards/incentives may include:

- Profit sharing with employees/trade partners
- Incentive bonus for employees
- Quality bonus to suppliers
- Safety incentives
- Other (describe)

3.15-b1 SUPPLIER measures and reports performance, e.g., profit sharing results.

Possible Score 5

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.15 c1 Supplier implements socially responsible employee practices.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.15-c1 *Verify* Implemented practices may include:

- Follows child labor laws
- Meals provided for labor
- Housing provided for labor
- Transportation provided to labor
- Safety program
- Retirement program
- Insurance plan
- Profit-sharing plan
- Other

3.15 d1 Sub-Supplier implements socially responsible employee practices.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.15-d1 *Verify* Implemented practices may include:

- Follows child labor laws
- Meals provided for labor
- Housing provided for labor
- Transportation provided to labor
- Safety program
- Retirement program
- Insurance plan
- Profit-sharing plan
- Other

3.16-a SUPPLIER has a written sustainability plan addressing company operations.

Possible Score 50

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.16-a *Verify* Goals for improving sustainability indicators may include:

- Logistics
- Purchasing Practices
- Packaging
- Sensitive area/biodiversity protection
- Environmental emergency management

3.17-a SUPPLIER communicates improvements in stewardship indicators.

Possible Score 30

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.17-a *Verify* Improvements in stewardship indicators and communication methods may include:

- Sensitive area/biodiversity protection
- Websites
- Soil erosion control/soil health improvement
- Water, energy use efficiency
- Reuse/recycling
- Employee/trade partner relations
- Employee communications
- Annual performance report
- Shareholder communications
- Other (describe)

3.17-b SUB-SUPPLIERS improvements in stewardship indicators are communicated by SUPPLIER or SUB-SUPPLIER.

Possible Score 20

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.17-b *Verify* Improvements in stewardship indicators and communication methods may include:

- Sensitive area/biodiversity protection
- Websites
- Soil erosion control/soil health improvement
- Water, energy use efficiency
- Reuse/recycling
- Employee/trade partner relations
- Employee communications
- Annual performance report
- Shareholder communications
- Other (describe)

3.18-a On-farm research been conducted or supported financially or otherwise in past year. List and describe in memo.

Possible Score 25

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.18-b Science-based procedures are used for on-farm research.

Possible Score 25

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.18-b *Verify* Science-based procedures may include:

- Check or controls are used
- Quantitative results are documented in writing
- Other

**Scored Crop-Specific Standards**

4.01-a SUPPLIER has access to IPM information resources.

Possible Score 10

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



4.02-a SUPPLIER identifies key pests (those which usually require action to prevent economic losses) and understands key pest biology.

Possible Score 100

Crop: \_\_\_\_\_

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Crop: \_\_\_\_\_

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4.02-a *Verify* FOR FULL POINTS, supplier should be able to identify pest life cycle in relation to crop growth stages, crop-damaging life stage and important behaviors related to pest management. Key pest lists may include:

Crop: \_\_\_\_\_

- Insect pests
- Diseases
- Weeds
- Other (describe)

Crop: \_\_\_\_\_

- Insect pests
- Diseases
- Weeds
- Other (describe)

4.03-a SUPPLIER identifies effective non-chemical and chemical strategies to prevent losses by each key pest.

Possible Score 100

Crop: \_\_\_\_\_

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Crop: \_\_\_\_\_

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4.03-a *Verify* FOR FULL POINTS, strategies should include both chemical and non-chemical options for each key pest, such as the following:

Crop: \_\_\_\_\_

- Cultural
- Mechanical
- Biological
- Chemical
- Other (describe)

Crop: \_\_\_\_\_  
Cultural  
Mechanical  
Biological  
Chemical  
Other (describe)

4.04-a SUPPLIER/SUB-SUPPLIERS implements effective scouting, sampling and monitoring techniques for all key pests for which these techniques are available.  
Possible Score 100

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.04-a *Verify* Strategies should include systemic application of one or more of the following for each key pest:

Crop: \_\_\_\_\_  
Visual sampling  
Insect traps, sweep nets  
Weed mapping  
Weather conditions  
Extension crop/region pest alerts/forecast  
Other (describe)

Crop: \_\_\_\_\_  
Visual sampling  
Insect traps, sweep nets  
Weed mapping  
Weather conditions  
Extension crop/region pest alerts/forecast  
Other (describe)

4.05-a SUPPLIER/SUB-SUPPLIERS use science-based action thresholds to determine when to take action for each key pest for which thresholds are available.  
Possible Score 100

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_  
Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.05-a *Verify* Thresholds may include the following:

Crop: \_\_\_\_\_  
Visual sampling counts for pests or damage  
Trap, sweep net counts  
Specific weather conditions favorable to disease development  
Economic Threshold  
Other (describe)  
Crop: \_\_\_\_\_  
Visual sampling counts for pests or damage  
Trap, sweep net counts  
Specific weather conditions favorable to disease development  
Economic Threshold  
Other (describe)

4.06-a Pesticide applications are tied to a documented need.

Possible Score 40

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_  
Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_  
Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.06-a *Verify* Documented need may include the following:

Crop: \_\_\_\_\_  
Pest over threshold based on scouting  
Specific weather conditions favorable to disease  
Written document supporting the need for preventative application  
Extension regional pest alerts  
Crop and site-specific history of pest problems  
Other (describe)

Crop: \_\_\_\_\_  
Pest over threshold based on scouting  
Specific weather conditions favorable to disease  
Written document supporting the need for preventative application  
Extension regional pest alerts  
Crop and site-specific history of pest problems  
Other (describe)

4.06-b Total pesticide use, e.g., pounds of active ingredient, is measured and recorded.  
Possible Score 20

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.06-c Pesticide use is tracked and reduced over time by transitioning to non-chemical strategies.  
Possible Score 40

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.06-c *Verify* Non-chemical strategies may include:

Crop: \_\_\_\_\_  
Application techniques: e.g., auto-steering, spot application  
Cultural: e.g., insect trapping, barriers  
Biological: conserving, importing beneficial insects  
Other (describe)

Crop: \_\_\_\_\_  
Application techniques: e.g., auto-steering, spot application  
Cultural: e.g., insect trapping, barriers  
Biological: conserving, importing beneficial insects  
Other (describe)

4.07-a Nutrient application rates reflect available nutrients and projected crop need, i.e., by nutrient management planning.

Possible Score 40

Crop: \_\_\_\_\_

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_

\_\_\_\_\_

Crop: \_\_\_\_\_

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_

\_\_\_\_\_

4.07-a *Verify* FOR FULL POINTS, nutrient application rates must be determined by one or more of the following:

Crop: \_\_\_\_\_

- Soil sampling
- Foliar analysis
- Nutrient crediting from prior to concurrent crops
- Crop nutrient removal and requirements
- Other science-based techniques (describe)

Crop: \_\_\_\_\_

- Soil sampling
- Foliar analysis
- Nutrient crediting from prior to concurrent crops
- Crop nutrient removal and requirements
- Other science-based techniques (describe)

4.07-b Nutrient use efficiency, e.g., use per unit of production, is measured and recorded.

Possible Score 20

Crop: \_\_\_\_\_

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_

\_\_\_\_\_

Crop: \_\_\_\_\_

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_

\_\_\_\_\_

4.07-c Nutrient use efficiency is tracked and improved over time by transitioning to alternative strategies.

Possible Score 40

Crop: \_\_\_\_\_

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_

\_\_\_\_\_

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_  
Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.07-c *Verify* Strategies may include the following:

Crop: \_\_\_\_\_  
Auto-steering  
Variable rate application  
Cover crops, green manures  
Crop rotations with legumes  
Reduced tillage  
Timing application to match crop need, split applications  
Other (describe)

Crop: \_\_\_\_\_  
Auto-steering  
Variable rate application  
Cover crops, green manures  
Crop rotations with legumes  
Reduced tillage  
Timing application to match crop need, split applications  
Other (describe)

4.08-a SUPPLIER and/or SUB-SUPPLIERS meet minimum continuing education requirements for pesticide applicator licensing/certification.

Possible Score 20

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.08-b SUPPLIER and/or SUB-SUPPLIERS participated in IPM/sustainable ag training events in the previous year beyond minimum legal requirements.

Possible Score 40

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_  
Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.08-b *Verify* FOR FULL POINTS, both SUPPLIER and SUB-SUPPLIER representatives must have participated in one or more events. Training events may include the following:

Crop: \_\_\_\_\_  
Sustainable ag/IPM training sessions at industry association meetings  
Field days held on farms in season  
Certified web based training  
Extension meetings  
Other (describe)

Crop: \_\_\_\_\_  
Sustainable ag/IPM training sessions at industry association meetings  
Field days held on farms in season  
Certified web based training  
Extension meetings  
Other (describe)

4.08-c Multiple IPM/sustainable ag topics were covered in training within the last year.

Possible Score 20

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.08-c *Verify* FOR FULL POINTS, training within the past year must include three or more topics. Training topics may include:

Crop: \_\_\_\_\_  
Soil health/quality management  
Biological controls  
Scouting, monitoring and/or thresholds  
New pests  
Resistance management  
Other (describe)

Crop: \_\_\_\_\_  
Soil health/quality management  
Biological controls  
Scouting, monitoring and/or thresholds  
New pests  
Resistance management  
Other (describe)

4.08-d Training records are written and include staff attending, name of session, topics addressed and date.  
Possible Score 10

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.08-e SUPPLIER and/or SUB-SUPPLIERS provide, host or support events that include IPM/sustainable ag training.  
Possible Score 10

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.09-a SUPPLIER/SUB-SUPPLIERS identify specific pesticide uses most at risk for pest resistance and can identify pesticides with different modes of action.  
Possible Score 40

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



4.09-a *Verify* FOR FULL POINTS, both of the following should be true:

Crop: \_\_\_\_\_  
Staff or consultant responsible for pesticide selection can group pesticides used by modes of action  
These staff are aware of pesticide uses most at risk of resistance  
Other (describe)

Crop: \_\_\_\_\_  
Staff or consultant responsible for pesticide selection can group pesticides used by modes of action  
These staff are aware of pesticide uses most at risk of resistance  
Other (describe)

4.09-b In addition to reducing reliance on pesticides through scouting, monitoring, thresholds and/or spot treatments, other strategies are used to delay resistance.

Possible Score 50

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.09-b *Verify* Other strategies to delay resistance to pesticides may include:

Crop: \_\_\_\_\_  
Rotate annual crops where appropriate  
Establish refuges (untreated areas) where appropriate  
Rotate or combine modes of action for pesticide uses most at risk of resistance  
Use maximum application rates for pesticide uses most at risk where appropriate  
Rotate chemical controls with non-chemical methods where appropriate  
Biological control  
Other (describe)

Crop: \_\_\_\_\_  
Establish refuges (untreated areas) where appropriate  
Rotate or combine modes of action for pesticide uses most at risk of resistance  
Use maximum application rates for pesticide uses most at risk where appropriate  
Rotate chemical controls with non-chemical methods where appropriate  
Biological control  
Other (describe)

4.09-c SUPPLIER/SUB-SUPPLIERS formally assess performance of pesticides most at risk of resistance to detect and report problems early.

Possible Score 10

Crop: \_\_\_\_\_

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_

\_\_\_\_\_

Crop: \_\_\_\_\_

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_

\_\_\_\_\_

4.09-c *Verify* Performance assessment may include:

Crop: \_\_\_\_\_

- In-field check or comparison strips
- Post-treatment pest counts in field
- Laboratory testing of samples collected on site
- Other (describe)

Crop: \_\_\_\_\_

- In-field check or comparison strips
- Post-treatment pest counts in field
- Laboratory testing of samples collected on site
- Other (describe)

4.10-a SUPPLIER/SUB-SUPPLIERS rank pesticides used by potential for residue on crop at harvest or post-harvest, and reduce/restrict use of those with greatest residue potential.

Possible Score 20

Crop: \_\_\_\_\_

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_

\_\_\_\_\_

Crop: \_\_\_\_\_

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_

\_\_\_\_\_

4.10-b SUPPLIER/SUB-SUPPLIERS rank pesticides used by acute toxicity to mammals and reduce use of most toxic.

Possible Score 20

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.10-b *Verify* Pesticide ranking by acute toxicity to mammals includes:

Crop: \_\_\_\_\_  
Using signal word on product label, "Caution" signifying least-toxic  
Other (describe)

Crop: \_\_\_\_\_  
Using signal word on product label, "Caution" signifying least-toxic  
Other (describe)

4.10-c SUPPLIER/SUB-SUPPLIERS rank pesticides used by toxicity to beneficials, including pollinators, and reduce use of most toxic.

Possible Score 20

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.10-c *Verify* Pesticide ranking by toxicity to beneficial insects, including pollinators, is based on:

Pollinator safety information on pesticide labels and/or EPA Pollinator Protection Box

New York State IPM Environmental Impact Quotient (EIQ) Calculator output

*How to Reduce Bee Poisoning from Pesticides* (Table 4), Pacific Northwest Extension Publication

*Wild Pollinators of Eastern Apple Orchards and How to Conserve Them* (page 17), Northeastern IPM Center, Cornell University, Penn State University, Xerces Society for Invertebrate Conservation

*The Pesticide Manual* by the British Crop Production Council

Windows Pesticide Screening Tool: Win-PST (<http://go.usa.gov/Kok>)

Pesticide Risk Tool ([www.pesticiderisk.org](http://www.pesticiderisk.org))

Other (describe)

4.10-d SUPPLIER/SUB-SUPPLIER rank pesticides used by chronic toxicity to mammals and reduce use of most toxic.

Possible Score 20

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.10-d *Verify* Pesticide ranking by chronic toxicity to mammals may include:

Crop: \_\_\_\_\_  
SDS information on chronic hazards  
Carcinogenicity rating by US EPA, international agency for research on cancer and/or California Proposition 65  
Reproductive/developmental toxicity (EPA, CA Prop 65)  
Endocrine system hazard rating  
Other (describe)

Crop: \_\_\_\_\_  
SDS information on chronic hazards  
Carcinogenicity rating by US EPA, international agency for research on cancer and/or California Proposition 65  
Reproductive/developmental toxicity (EPA, CA Prop 65)  
Endocrine system hazard rating  
Other (describe)

4.10-e SUPPLIER/SUB-SUPPLIERS rank pesticides used by eco-toxicity and reduce use of those with greatest hazards.

Possible Score 20

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Crop: \_\_\_\_\_  
Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.10-e *Verify* Pesticide ranking by eco-toxicity hazards may include:

Crop: \_\_\_\_\_  
Groundwater contamination  
Surface water contamination  
Birds  
Aquatic organisms  
Amphibians

Ozone depleter  
Volatile organic compounds (VOCs)  
Other (describe)

Crop: \_\_\_\_\_

Groundwater contamination  
Surface water contamination  
Birds  
Aquatic organisms  
Amphibians  
Ozone depleter  
Volatile organic compounds (VOCs)  
Other (describe)

4.11-a SUPPLIER/SUB-SUPPLIERS protect bees and other pollinators from pesticide applications.  
Possible Score 40

Crop: \_\_\_\_\_

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Crop: \_\_\_\_\_

Points Earned \_\_\_\_\_

Memo: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4.11-a *Verify* Strategies to protect pollinators from pesticide applications may include:

- IPM practices are implemented to minimize pesticide use and risk to pollinators
- Pesticides toxic to bees are not applied to crops in bloom
- Pesticides are not allowed to drift onto adjacent blooming plants that are attractive to pollinators
- Pollinator habitat outside of cropped areas is identified, and if present,  $\geq 20$  ft. buffers are maintained around habitat to reduce risk from pesticide drift
- Forecasted low temperatures or dew are considered when applying pesticides toxic to bees to cropped areas where bees are expect to be foraging; residues may remain toxic to bees at least twice as long under these conditions
- Pesticides toxic to bees are applied when most pollinators are less active, e.g., evening, night
- When managed hives are present on the farm, beekeepers are informed when, where, how and what pesticide(s) are being applied
- Apiaries and sites on the farm containing crops sensitive to pesticide drift and are registered online at [www.driftwatch.org](http://www.driftwatch.org) or a similar system by the supplier/sub-supplier to enhance communication between growers and pesticide applicators to reduce drift incidents
- Other (describe)