CONFIDENTIAL

Sysco SUSTAINABLE/INTEGRATED PEST MANAGEMENT INITIATIVE

Improving Stewardship in Canned and Frozen Fruit and Vegetable Production

SUPPLIER SELF-ASSESSMENT v09.01

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I. INTRODUCTION

This Self Assessment was created to help Sysco Suppliers evaluate how well their operations meet the requirements of the Sysco Sustainable/Integrated Pest Management (IPM) Initiative. The tool can also be used to identify opportunities for improvement.

The tool is in two parts:

A. Self Assessment – Suppliers can complete this part by assigning themselves a score based on their own performance estimate for each criterion listed. Each item should be scored as 0 points if Level 1 is the best description of Supplier performance, or 2 or 3 points if Levels 2 or 3 are the best description, respectively. Totaling the score for each section will provide an approximate performance ranking. The criteria in each section here, Minimum, General and Crop-Specific correspond directly to the criteria and sections in the Sysco Sustainable/IPM Initiative audit 8.01 released in 2009. Minimum and General Standards refer to all production for Sysco. Crop-Specific Standards apply to each crop grown for Sysco, and will be evaluated for each crop individually.

B. Supplier Worksheets - Worksheets have been provided to help complete the Self Assessment. Suppliers can use the Worksheets to organize performance information for multiple management units, such as processing plants, fields, groups of fields, production sites or Sub-Suppliers. By completing the worksheets, a picture will emerge as to how well these individual units are performing. By referring to this information about individual unit performance, the Supplier can complete a more accurate Self Assessment.

Sysco Suppliers are those companies which process products for delivery to Sysco. **Sub-Suppliers** are the farmers and growers of raw or pre-processed materials. **The Supplier is responsible for the performance of Sub-Suppliers.** Sub-suppliers may complete the Self Assessment independently and provide the compiled information to the Supplier for its own Self Assessment, or Suppliers may wish to use the tool to conduct their own evaluation of their Sub-Suppliers.

For more information about the program, including definitions of some of the terms used here, see the Sysco Sustainable/IPM Initiative audit, available from Sysco Quality Assurance.

A. SELF ASSESSMENTS
II. Minimum Standards **Supplier** _____ **Date** _____ **Initials** _____

Criteria	Level 1. Score as 0	Level 2. Score as 2	Level 3. Score as 3	Enter Score	Notes
1. Biosolids (treated sewage sludge) 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.	Biosolids or sludge use is not monitored or documented.	Biosolids or sludge use is monitored, documented, and/or is in compliance with #1 for some but not all Sysco production.	All Sysco production is in compliance. Sub-supplier contracts specify compliance with biosolid policy.		
2. 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.	Use of genetically modified varieties is not monitored.	Use of genetically modified varieties is monitored for some but not all production for Sysco.	All Sysco production is in compliance. If GMO seeds are available, seed suppliers certify in writing that seeds are non-GMO (unless permission to grow a GMO has been requested by the supplier and granted in writing by Sysco Quality Assurance management).		

3. Legal requirements for pesticide and nutrient applications are met including reentry times, pre-harvest intervals, applicator licensing, and label pests and sites. Legal requirements for worker health and safety are met including Worker Protection Standard, Right-to-Know and Occupational Health and Safety.	Legal requirements are not monitored, supplier/sub-supplier are not aware of all regulations, and/or citations have been issued for violations within the last three years.	Legal requirements are monitored for some but not all Sysco production; and/or not all legal requirements are monitored or met.	Supplier and sub-suppliers are aware of legal requirements, and monitor and document compliance for all Sysco production. Sub-supplier contracts specify compliance.		
4. Pesticide application records for the past three years are complete and legible, including location, date, time, material applied, applicator, method and rate. In addition, pesticide records include target pest, wind speed and direction and air temperature.	Pesticide application records have not been checked for compliance.	Records have been checked for some but not all Sysco production; and/or not all records meet criteria.	Records have been checked, meet criteria and are readily available for all production. Records are located with processor or sub-supplier. Sub-supplier contracts specify compliance.		
5. Nutrient application records for the past three years are complete and legible, including location, date, time, material applied, applicator, method and rate.	Nutrient application records have not been checked for compliance.	Records have been checked for some but not all Sysco production; and/or not all records meet criteria.	Records have been checked, meet criteria and are readily available for all production. Records are located with processor or sub-supplier. Sub-supplier contracts specify compliance.		
Scoring Key: A score of 15 indicates compliance with all minimum standards.			**Total Score:**		

III. Scored General Standards **Supplier** _____ **Date** _____ **Initials** _____

Criteria	Level 1. Score as 0	Level 2. Score as 2	Level 3. Score as 3	Enter Score	Notes
1. Environmentally sensitive areas at processing plant and field production sites are identified, monitored and protected.	A majority of sites have not been reviewed for ecologically sensitive areas.	All sensitive areas have been identified for some locations, or not all areas are monitored or protected.	All sensitive areas have been identified on a map. These are monitored on a regular basis. Quantitative protective measures are in place and adequate.		
2. Habitat and forage sources are created for pollinators.	Pollinator habitat and forage is not present at a majority of sites.	Pollinator habitat and forage is present at some but not all sites; habitat and forage is present but inadequate.	All sites provide adequate pollinator habitat and forage sources, including flowering cover crops, nesting sites, and clean water sources.		
3. An effective environmental emergency management plan is in place for processing and field production sites.	No plan is in place at a majority of sites.	A plan is in place for some but not all sites, or plan is not complete.	Plans are in place for all sites including a list of potential emergencies, emergency contacts, staff roles and responsibilities, resources for control, contain and cleanup, and staff training.		
4. Adequate drift management plans are in place.	Drift is not managed, or citations have been issued for violations within the last three years.	Drift management is effective at some but not all locations.	Response procedures are in place if drift occurs. Application equipment is appropriate to the use, calibration is current with records available, staff training and guidelines are in place re weather, equipment operation.		
5. Soil and associated agrochemical movement off-site is minimal and well-controlled.	Erosion is not monitored, or if monitored, is evident at a majority of sites.	Erosion is monitored for some but not all sites; and/or erosion is evident at some sites.	Soil erosion is monitored and minimal at all Sysco processing/production sites. Protective measures are in place where needed to prevent soil erosion by wind or water.		
6. Supplier/Sub-Supplier tracks and improves soil quality.	Soil quality is not tracked or soil quality is tracked and poor at a majority of sites.	Soil quality is tracked at some but not all locations, and/or soil quality is poor at less than half of sites.	Key soil quality indicators are monitored at all Sysco production sites are monitored for soil quality, and soil quality is good. Goals are set and progress monitored where improvement is needed.		
			Page 5 Sub-Total:		

III. Scored General Standards (continued) **Supplier** _____ **Date** _____ **Initials** _____

Criteria	Level 1. Score as 0	Level 2. Score as 2	Level 3. Score as 3	Enter Score	Notes
7. Trash is not burned; vegetation is not burned unless this is an accepted Best Management Practice (BMP).	Trash is burned, or vegetation is burned without justification at a majority of sites.	Trash is burned or vegetation is burned without justification at less than half of sites.	Trash is not burned and vegetation is not burned unless as part of a BMP at all Sysco production sites.		
8. Supplier has formed an interdisciplinary IPM Advisory Team.	There is no IPM Advisory Team established, or a multi-disciplinary IPM Advisory Team is established but not active.	A multi-disciplinary IPM Advisory Team includes expertise in insect pest, disease and weed management and agronomy or horticulture (optional: rep from Extension, NRCS, SWCD)	The multi-disciplinary IPM Advisory Team meets at least annually to review performance and identify and plan improvements.		
9. Supplier/Sub-Supplier tracks and reduces water use for production and processing.	Use is tracked for less than half of sites.	Use is tracked for most but not all sites; and/or efficiency has not improved in past 3 years.	Use is tracked for all Sysco production sites and reductions per unit of production are evident over past 3 years. Improvement measures for processing and irrigation water use are identified, reported and tracked.		
10. Supplier/Sub-Supplier tracks and reduces energy use for production and processing.	Use is tracked for less than half of sites.	Use is tracked for most but not all sites; and/or efficiency has not improved in past 3 years.	Use tracked for all Sysco production sites and reductions per unit of production are evident over past 3 years. Improvement measures for production and processing are identified, reported and tracked.		
11. Supplier/Sub-Supplier tracks and increases on-site re-use of resources.	Opportunities for on-site re-use on site have not been identified; or re-use is not tracked for most opportunities.	Re-use is tracked for a majority but not all opportunities; and/or re-use has improved for a majority over past 3 yrs.	Use tracked for all Sysco production sites and improvements are evident for multiple resources at these sites.		

12. Supplier/Sub-Supplier tracks and increases amounts and types of materials returned for recycling.	Returns for recycling are tracked for less than half of potential opportunities.	Returns are tracked for a majority but not all opportunities; and recycling has increased over past 3 years.	Recycling tracked for all Sysco production sites; increases are evident for multiple opportunities over past 3 years. Supplier/sub-supplier purchase produced with recycled content.		
13. Supplier/Sub-Supplier maintains fair and open communications and mutual agreements with employees and trade partners.	Evidence is lacking (e.g., no written dispute resolution policies, grievance procedures, satisfaction survey results).	Evidence is present for a majority of sites/ opportunities.	Solid evidence is present for these practices for Supplier and any Sub-Suppliers.		
			Page 6/7 Sub-Total:		

III. Scored General Standards (continued) **Supplier** _____ **Date** _____ **Initials** _____

Criteria	Level 1. Score as 0	Level 2. Score as 2	Level 3. Score as 3	Enter Score	Notes
14. Supplier/Sub-Supplier provides opportunities for employee education and advancement.	Evidence is absent (e.g., no promotions through ranks, education support programs, in-house training and education).	Evidence is present for a majority of sites/ opportunities.	Solid evidence is present for these practices for Supplier and any Sub-Suppliers.		
15. Supplier/Sub-Supplier provides rewards/incentives for innovation and improvement and implements socially responsible employee practices.	Evidence is absent (e.g., formal award/incentive programs, employees who have received awards/incentives).	Evidence is present for a majority of sites/ opportunities.	Solid evidence is present for these practices for Supplier and any Sub-Suppliers.		
16. Supplier has a written sustainability plan addressing company operations.	There is no written sustainability plan.	There is a written sustainability plan, but lacks specific sustainability indicators.	There is a written sustainability plan which includes specific sustainability indicators such as logistics, purchasing practices, packaging, sensitive area/biodiversity protection, environmental emergency management, etc.		
17. Supplier documents and reports improvements in stewardship indicators, e.g., pesticide use reduction, to customers, employees, shareholders and the public.	Evidence is absent (e.g., presentations, letters, newsletters, press releases, media coverage).	Evidence is present for a majority of sites/ opportunities.	Solid evidence is present for these practices for Supplier and any Sub-Suppliers.		
18. Supplier/Sub-Supplier supports or conducts in-house or on-farm research to evaluate new techniques designed to reduce costs, improve stewardship or product quality.	No evidence, e.g., research reports, of on-farm or in-house research within the last three years.	Evidence is present of some research for some sites and some years.	Extensive written evidence is present of ongoing research on multiple issues.		
Scoring Key: A score of 0-32 indicates poor performance, 33-42 average, 43-48 above average and 49-54 superior performance.			**Page 8 Sub-Total:**		
			Grand Total, Scored General Standards, pages 5-8:		

IV. Scored Crop-Specific Standards **Supplier** _____ **Crop** _____ **Date** _____ **Initials** _____

Criteria	Level 1. Score as 0	Level 2. Score as 2	Level 3. Score as 3	Enter Score	Notes
1. Supplier demonstrates access to IPM information resources.	Supplier does not access print or on-line IPM information.	Supplier accesses IPM information but resources are outdated or there is little evidence of appropriate use.	Supplies uses library of up-to-date information resources effectively.		
2. Supplier has identified key insect and wildlife pests, diseases and weeds; i.e., those that usually require action to prevent economic losses.	Supplier is not aware of key pests for the crop and region.	Supplier is aware of some, but not all key pests, and/or is unfamiliar with some important aspects of pest biology that are essential to proper management.	Supplier maintains a list of key pests and demonstrates knowledge of pest biology, and uses that information to implement IPM strategies.		
3. Supplier has identified effective non-chemical and chemical strategies to prevent losses by key pests.	Supplier uses chemical applications as the sole pest control strategy.	Supplier uses available, effective and cost-effective non-chemical strategies, in addition to chemical controls when needed, for some pests.	Supplier uses all or close to all available, effective and cost-effective non-chemical strategies; chemical use is below average for the crop.		
4. Supplier implements effective scouting, sampling and monitoring techniques for all key pests.	Supplier uses routine or calendar-based applications of chemicals without assessing pest pressure or populations.	Supplier scouts, samples or monitors conditions, and schedules control measures accordingly for some but not all pests; or scouts only informally, without accurate counts.	Supplier scouts, samples or monitors and schedules control measures accordingly for all key pests for which these techniques are available and effective.		
			Page 9 Sub-Total:		

IV. Scored Crop-Specific Standards (continued) **Supplier** _____ **Crop** _____ **Date** _____ **Initials** _____

Criteria	Level 1. Score as 0	Level 2. Score as 2	Level 3. Score as 3	Enter Score	Notes
5. Supplier uses science-based thresholds to determine when to take action for each key pest.	Supplier does not use thresholds, or thresholds are not based on Extension recommendations or credible research.	Supplier uses some but not all available effective thresholds, and/or cannot explain why specific applications were made.	Supplier uses all or nearly all effective thresholds and can explain need for each application.		
6. Pesticide inputs and justifications are tracked and amounts use are reported and reduced to the minimum amount needed for a successful crop. Supplier/sub-supplier identifies non-chemical management strategies.	Pesticide inputs are not tracked.	Some but not all pesticide inputs are tracked, or use is greater than average for the crop and region, with no reductions reported over the past three years.	Supplier tracks pesticide inputs and justifies each application, uses techniques to reduce use and demonstrates below average use and/or reductions over the last three years. Supplier/sub--supplier identifies and employs non-chemical management strategies.		
7. Nutrient inputs and justifications are tracked and amounts use are reported and reduced to the minimum amount needed for a successful crop. Supplier/sub-supplier identifies alternative nutrient management strategies.	Nutrient inputs are not tracked.	Some but not all nutrient inputs are tracked, or amounts used are greater than average use for the crop and region, with no reductions reported over the past three years.	Supplier tracks nutrient inputs and justifies each application, uses techniques to reduce use and demonstrates below average use and/or reductions over the last three years. Supplier/sub--supplier identifies and employs alternative nutrient management strategies.		
8. Growers, pest managers, scouts and other key personnel receive pesticide applicator licensing/certification.	Employees are not certified and no training events have occurred over the past year.	Less than half of pest management staff have been certified and/or participated in in-house or external training over the past year.	A majority of staff are certified and have participated in in-house or external training over the past year; trainers are experienced/competent.		
			Page 10 Sub-Total:		

IV. Scored Crop-Specific Standards (continued) **Supplier** _____ **Crop** _____ **Date** _____ **Initials** _____

Criteria	Level 1. Score as 0	Level 2. Score as 2	Level 3. Score as 3	Enter Score	Notes
9. Supplier identifies and implements strategies to delay pest resistance to pesticides.	Supplier is not aware of or does not implement available strategies to delay pest resistance.	Supplier uses some resistance management strategies but not for all pesticides at risk.	Supplier has a comprehensive risk management program for pesticides at risk and regularly assesses at-risk pesticides for resistance development.		
10. Supplier tracks pesticide use by toxicity and transitions to least-toxic, effective options.	Supplier does not evaluate pesticides for toxicity when choosing pest control options.	Supplier has established basic criteria for pesticide toxicity and exposure, and chooses least toxic options for at least some pests.	Supplier ranks pesticides based on residue risk, acute and chronic toxicity and exposure risk to mammals, pollinators and other organisms select least-toxic, effective options.		
11. Bees and other pollinators are protected from pesticide applications.	Supplier does not implement any pollinator protection practices.	Supplier has implemented some basic criteria to minimize pollinator pesticide exposure.	Supplier limits highest-risk pesticides, avoids applying pesticides to pollinator forage habitat, avoids pesticide use in low temperature/dewy conditions, and mitigates drift incidents.		
Scoring Key: A score of 0-20 indicates poor performance, 21-26 average, 27-29 above average and 30-33 superior performance.			**Page 11 Sub-Total:**		
			Grand Total, Crop-Specific Standards (pages 9-11):		

B. WORKSHEETS (duplicate as needed) Supplier _____ Date _____ Initials _____

Use these worksheets to organize performance information for multiple management units, such as processing plants, fields, groups of fields, or Sub-Suppliers. By completing the worksheets, a picture will emerge as to how well these individual units are performing. By referring to this information about individual unit performance, the Supplier can complete a more accurate Self Assessment. *To use, enter a check or other mark to indicate compliance for each sub-supplier or management unit. A management unit may consist of a field or group of fields managed in the same manner.*	Sub-supplier or unit identification:											
II. Minimum Standards												
1. Biosolids/Sewage Sludge												
a. Biosolids (treated sewage sludge) 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.												
b. Untreated sludge never used.												
c. Suppliers include compliance statement in Sub-Supplier contract.												
2. Genetically modified varieties are not grown for Sysco.												
a. If GMO seeds are available for crops grown, seed supplier provides non-GMO certification statement (unless permission to grow a GMO has been requested by the supplier and granted in writing by Sysco Quality Assurance management).												
3. Supplier meets legal requirements for employee health and safety												
a. WPS												
b. OSHA												
c. Right-to-Know												
d. no unresolved violations within last three years												
4. Legal requirements are met for pesticide and nutrient applications.												
a. re-entry times												
b. pre-harvest interval												
c. applicator certification and licensing												
d. label target pests for pesticide application												
e. label application site/crop												
f. personal protective equipment												
g. no unresolved violations within last three years												
5. Complete, legible pesticide and nutrient application records are maintained for three years.												
a. location												
b. date												
c. time												
d. wind speed and direction, air temperature (for pesticides)												
e. material applied												
f. rate applied												
g. applicator name												
h. application method												
i. target pest (for pesticides)												

Supplier _____ **Date** _____ **Initials** _____

Enter a check or other mark to indicate compliance for each sub-supplier or management unit. A management unit may consist of a field or group of fields managed in the same manner.	Sub-supplier or unit identification:											
III. Scored General Standards												
1. Supplier reviews production areas for environmentally sensitive areas.												
a. Site reviewed and ecologically sensitive areas identified.												
b. If present, condition is monitored at least annually.												
c. If present, protective measures are in place:												
i. signage, fencing												
ii. buffer zones with no production												
iii. filter strips, wind breaks or other specially designed buffers												
iv. native vegetation established in buffer zones												
v. other (describe)												
2. Pollinator habitat and forage is created/maintained.												
a. Non-cropped areas provide nectar/pollen throughout the season.												
b. Flowering cover crops are planted.												
c. Nesting sites created for ground and cavity nesting bees.												
d. Clean water sources are available to pollinators.												
3. Effective environmental emergency management plan is in place.												
a. Site is covered by an environmental emergency plan.												
b. Plan includes nutrient, pesticide, fuel spills.												
c. Plan includes effective control/contain/cleanup procedures.												
d. Plan includes staff responsibilities.												
e. Plan specifies staff training curriculum/frequency.												
f. Resources (spill kits, etc.) to implement plan are in place.												
4. Drift is managed effectively.												
a. Site is covered by a written drift management plan.												
b. Plan specifies applicator responsibilities/procedures.												
c. Plan specifies staff training curriculum and frequency.												
d. Plan specifies equipment calibration frequency.												
e. Equipment calibration is current.												
f. Hooded sprayers, colorant, other techniques (describe below).												
5. Off-site soil/agrochemical movement is minimal and controlled.												
a. Site has been evaluated for soil erosion.												
b. Visibly eroded areas are extremely limited in size.												
c. Where erosion potential exists, protective measures are evident:												
i. bare soil is present for limited time only												
ii. windbreaks												
iii. cover crops												
iv. terraces or contour planting												
v. drainage installed												
vi. other (describe)												

Supplier _____ **Date** _____ **Initials** _____

Enter a check or other mark to indicate compliance for each sub-supplier or management unit. A management unit may consist of a field or group of fields managed in the same manner.	Sub-supplier or unit identification:											
III. Scored General Standards (continued)												
6. Supplier tracks and improves soil quality.												
a. Site has been evaluated/improved as needed for soil quality:												
i. fertility												
ii. pH												
iii. organic matter												
iv. salinity												
v. compaction/infiltration/drainage (standing water is rare)												
vi. other (describe below)												
b. Improvements are implemented:												
i. reduced tillage												
ii. flotation tires, tracks, dual wheels												
iii. soil amendments, cover crops												
v. other (describe below)												
7. Supplier does not burn trash; vegetation is not burned unless BMP.												
a. No trash is burned at site.												
b. No vegetation is burned at site, unless justified as a Best Management Practice (BMP). Explain BMP below.												
8. Supplier has formed a multi-disciplinary IPM team.												
a. Team has met in last year.												
b. Team has relevant IPM expertise.												
c. Team meets at least twice per season.												
d. Team has shown positive impact on IPM program.												
9. Supplier tracks and reduces use of water for production/processing.												
a. Quantity of water used at site is tracked.												
b. Use as a percent of production has been reduced over time.												
c. Water-saving measures are in place:												
i. processing plant equipment improvements												
ii. flood/furrow irrigation is not used or efficiency is improved												
iii. overhead irrigation with drop nozzles												
iv. drip irrigation												
v. other (describe below)												

Supplier _____ **Date** _____ **Initials** _____

Enter a check or other mark to indicate compliance for each sub-supplier or management unit. A management unit may consist of a field or group of fields managed in the same manner.	Sub-supplier or unit identification:											
III. Scored General Standards (continued)												
10. Supplier tracks and reduces energy use (petroleum, electricity).												
a. Energy use is tracked for production uses.												
b. Energy use is tracked for processing uses.												
c. Energy decrease per unit of production over past 3 years.												
d. Processing use decrease per unit of production over past 3 yrs.												
e. Improvements or upgrades have been made (describe below).												
11. Supplier tracks and increases on-site re-use of resources.												
a. Opportunities to reuse resources on-site have been identified.												
b. Reuse has increased per unit of production over past 3 years.												
i. paper/cardboard												
ii. plastic												
iii. metal												
iv. plant material												
v. water												
vi. other (describe below)												
12. Supplier tracks and increases returns for recycling.												
a. Opportunities to return recyclables have been identified.												
b. Recycling has increased per unit of production over past 3 years.												
i. paper/cardboard												
ii. plastic												
iii. aluminum												
iv. steel												
v. pesticide containers												
vi. other (describe below)												
c. Purchasing product with recycled content has begun or increased.												

Supplier _____ **Date** _____ **Initials** _____

Enter a check or other mark to indicate compliance for each sub-supplier or management unit. A management unit may consist of a field or group of fields managed in the same manner.	Sub-supplier or unit identification:											
III. Scored General Standards (continued)												
13. Supplier maintains fair/open communications and mutual agreements with employees and trade partners.												
a. Significant disputes (strikes, litigation) have not occurred during past three years.												
b. Additional evidence of fair/open practices is present.												
i. written communications/dispute resolution policies												
ii. written employee grievance procedures												
iii. employee satisfaction survey/results												
iv. customer satisfaction survey/results												
v. positive Better Business Bureau reviews												
vi. other (describe below)												
14. Supplier provides opportunities for employee education/advance.												
a. Employee promotions through ranks over last three years.												
b. Favorable internal hire rates vs. external hires.												
c. Cost share/leave policy support for employee education.												
d. In-house training and education program.												
e. Supplier/sub-supplier measures and can report performance, e.g., participation rates, dollar investment, etc.												
f. Other (describe below)												
15. Supplier provides rewards/incentives for innovation/improvements.												
a. Formal, written awards/incentive program.												
b. Awards/incentives granted over last three years.												
c. Implements socially responsible employee practices.												
d. Other (describe below)												

Supplier _____ **Date** _____ **Initials** _____

Enter a check or other mark to indicate compliance for each sub-supplier or management unit. A management unit may consist of a field or group of fields managed in the same manner.	Sub-supplier or unit identification:											
III. Scored General Standards (continued)												
16. Supplier has a written sustainability plan addressing company operations:												
a. logistics												
b. purchasing practices												
c. packaging												
d. sensitive area/biodiversity protection												
e. environmental emergency management												
17. Supplier documents/reports stewardship improvements.												
a. Supplier communicates improvements at processing plants.												
b. Supplier/sub-suppliers communicates field production improvements.												
c. Improvements in multiple aspects communicated in past three years, e.g., input reduction, recycling, energy conservation, etc.												
d. Improvements communicated through multiple vehicles, e.g., website, newsletter, employee or shareholder communications												
e. Other (describe below)												
18. Supplier conducts in-house/on-farm research.												
a. Staff can report research results from past three years orally.												
b. Written research reports completed in past three years.												
c. Research uses scientific methods, e.g., check or controlled comparison, side-by-side comparison, multiple replicates												
d. Research has been conducted on multiple issues.												
e. Other (describe below)												

Supplier _____ **Date** _____ **Initials** _____

Enter a check or other mark to indicate compliance for each sub-supplier or management unit. A management unit may consist of a field or group of fields managed in the same manner.	Sub-supplier or unit identification:											
IV. Scored Crop-Specific Standards												
1. Supplier demonstrates access to IPM information resources.												
a. Supplier has library of IPM-related resources:												
i. reference books												
ii. crop-specific Extension publications												
iii. on-line bookmarks												
iv. other (describe below)												
b. IPM resources are up to date.												
c. Supplier uses resources effectively.												
2. Supplier knows key pests and important biological features.												
a. Written list exists or supplier can list orally.												
b. List reflects key pests cited in recent crop/region-specific resources.												
c. Supplier is aware of important aspects of pest biology, e.g., life cycle, natural enemies that impact management decisions.												
d. Supplier uses biological knowledge to help manage pests.												
3. Supplier has identified effective, non-chemical and chemical strategies to prevent loosed due to key pests.												
a. Supplier has written list of strategies or can list orally.												
b. List reflects options listed in recent Extension or other science-based crop/region-specific resources.												
c. Non-chemical options (e.g., mechanical, cultural, biological) reduce reliance on chemicals (describe below).												

Supplier _____ **Date** _____ **Initials** _____

Enter a check or other mark to indicate compliance for each sub-supplier or management unit. A management unit may consist of a field or group of fields managed in the same manner.	Sub-supplier or unit identification:											
IV. Scored Crop-Specific Standards (continued)												
4. Supplier uses effective scouting, sampling, monitoring techniques.												
a. Supplier does not apply pesticides without assessing pest pressure/population levels.												
b. Supplier uses science-based techniques (e.g., recommended for the pest by Extension) to assess pest pressure/populations:												
i. systematic sampling of plants for pests/disease												
ii. insect traps												
iii. sweep nets												
iv. weather-based disease forecasting												
v. other (describe below)												
5. Supplier uses science-based thresholds to determine when to take action against each key pest.												
a. Supplier has written list or can report thresholds orally for each key pest.												
b. Thresholds correspond to crop/region-specific recommendations from Extension, modified by grower experience where necessary.												
c. Supplier can explain why specific pesticide applications were necessary.												
6. Supplier tracks pesticide use and minimizes amounts used.												
a. Pesticide applications are tied to documented need.												
b. Supplier tracks amounts of pesticides used per season.												
i. number of applications of insecticide, fungicide, herbicide												
ii. lbs./gallons of active ingredient												
iii. other (describe below)												
c. Supplier modifies application techniques to reduce amounts used.												
i. alternate row applications												
ii. perimeter applications												
iii. spot treatment												
iv. precision application technology												
v. other (describe below)												
d. Supplier use is less than average for the crop and region.												
e. Supplier use has been reduced over last three years.												

Supplier _____ **Date** _____ **Initials** _____

Enter a check or other mark to indicate compliance for each sub-supplier or management unit. A management unit may consist of a field or group of fields managed in the same manner.	Sub-supplier or unit identification:											
IV. Scored Crop-Specific Standards (continued)												
7. Supplier tracks nutrient use and minimizes amounts used.												
a. Available nutrients are determined by testing.												
b. Application rates reflect test results and crop needs.												
c. Supplier tracks amounts of nutrients applied per season.												
i. lbs./gallons of nutrient or manure												
ii. other (describe below)												
d. Supplier modifies application techniques to reduce use.												
i. times application to match crop need												
ii. precision application technology												
iii. other (describe below)												
e. Supplier use is less than average for the crop and region.												
f. Supplier use has been reduced over last three years.												
8. Growers, pest managers, scouts and other key staff are trained.												
a. Training meets minimum requirement for pesticide applicators.												
b. Training within last year exceeds minimum requirement.												
c. Training records are written.												
d. Supplier provides, hosts or supports training.												
9. Supplier uses techniques to delay pest resistance to pesticides.												
a. Supplier has identified pesticides/uses at risk of resistance.												
b. Supplier uses effective resistance management techniques.												
i. pesticides with different modes of action are used in rotation or combination												
ii. pesticides at risk are rotated with non-chemical strategies where appropriate												
iii. efficacy of pesticides at risk is assessed												
iv. refuges (untreated areas) are used												
v. other (describe below)												

Supplier _____ **Date** _____ **Initials** _____

Enter a check or other mark to indicate compliance for each sub-supplier or management unit. A management unit may consist of a field or group of fields managed in the same manner.	Sub-supplier or unit identification:											
IV. Scored Crop-Specific Standards (continued)												
9. Supplier uses techniques to delay pest resistance to pesticides.												
a. Supplier has identified pesticides/uses at risk of resistance.												
b. Supplier uses effective resistance management techniques.												
i. pesticides with different modes of action are used in rotation or combination												
ii. pesticides at risk are rotated with non-chemical strategies where appropriate												
iii. efficacy of pesticides at risk is assessed												
iv. refuges (untreated areas) are used												
v. other (describe below)												
10. Supplier tracks pesticide use by toxicity and transitions to least-toxic, effective options.												
a. Supplier uses science-based pesticide toxicity criteria:												
i. residue risk at harvest or post-harvest												
ii. acute toxicity to mammals, e.g., signal word on label												
iii. acute toxicity to beneficial insects and pollinators, e.g., environmental hazard statements on label re pollinators, other non-targets												
iv. chronic toxicity (e.g., chronic toxicity statements on MSDS sheet re carcinogenicity, reproductive/developmental toxicity)												
v. environmental impacts such as ground or surface water contamination, risks to birds, aquatic organisms												
vi. risk of exposure, e.g., aerial application vs. drop nozzle												
vii. other (describe below)												
b. Supplier has used toxicity information to transition to least-toxic options within last three years.												
11. Supplier protects bees/other pollinators from pesticide applications												
a. IPM practices implemented to minimize pesticide use/risk to pollinators												
b. Pesticides toxic to bees are not applied to crops in bloom.												
c. Pesticides are not allowed to drift onto adjacent blooming plants that are attractive to pollinators												
d. Pollinator habitat identified and buffered more than 20 ft.												
e. Low temperatures and dew considered when applying pesticide toxic to bees in bee forage areas												
f. Pesticides toxic to bees only applied if pollinators are inactive												
g. If managed hives are present, beekeepers are informed when, where, how and what pesticides are used.												
h. Apiaries and sites on the farm containing drift-sensitive crops are registered by the supplier at driftwatch.org to reduce drift incidents												
i. Other (describe)												