Sysco Sustainable Ag/Integrated Pest Management Program Stewardship Indicator Report

Required Entries:

1.- Calendar year covered by report.

Year: (choose one)

2. Supplier (Processor) Name:

Supplier Name: (choose one/create new)

Processing Plant: (choose one/create new)

3.- Growing region:

4.- Crop processed

Crop: (choose one/create new)

5.- Number of acres of the crop participating in the Sysco Sustainable Ag/Integrated Pest Management Program, regardless of whether the crop is sold to Sysco or another buyer

6.- Total acres of the crop processed in the region covered by the form. This includes all acres in the Sysco Program reported in question 5, and all other acres of this crop processed by you, including spot-purchased product not in the program

7. Total growers used in the region covered by the form. This includes all growers acreage in the Sysco Program reported in question 5:

Total pesticide use for this crop, region and reporting year by acute toxicity indicated by product label:

8.- Total pounds of active ingredient of high acute mammalian toxicity pesticides (defined by "DANGER" signal word on the product label) applied to this crop. Only applications made to acres in the Sysco Sustainable/IPM Program

9.- Total pounds of active ingredient of lesser acute mammalian toxicity pesticides (defined by "WARNING" signal word on the product label) applied to this crop. Only applications made to acres in the Sysco Sustainable/IPM Program

10.- Total pounds of active ingredient of least acute mammalian toxic pesticides (defined by "CAUTION" signal word on the product label) applied to this crop. Include pesticides exempt from EPA registration (pesticides on the US EPA 25b list). Only applications made to acres in the Sysco Sustainable/IPM Program

OPTIONAL Questions 11-13: If you are using toxicity criteria in addition to the signal word on the product label, report total pesticide use for this crop, region and reporting year by those toxicity criteria:"

11.- Total pounds of active ingredient of high toxicity pesticides applied to this crop. Only applications made to acres in the Sysco Sustainable/IPM Program

Criteria for high toxicity	Total Pounds
Potential for residue on crop at harvest or post-harvest	
Protected Harvest toxicity index	
Toxicity to beneficials	

12.- Total pounds of active ingredient of less toxic pesticides applied to this crop. Only applications made to acres in the Sysco Sustainable/IPM Program

Criteria for lesser toxicity	Total Pounds
Potential for residue on crop at harvest or post-harvest	
Protected Harvest toxicity index	
Toxicity to beneficials	

13.- Total pounds of active ingredient of least toxic pesticides applied to this crop. Include pesticides exempt from EPA registration (pesticides on the US EPA 25b list). Only applications made to acres in the Sysco Sustainable/IPM Program

Criteria for least toxicity	Total Pounds
Potential for residue on crop at harvest or post-harvest	
Protected Harvest toxicity index	
Toxicity to beneficials	

Required entries, continued:

14.- Estimated total pounds of active ingredient of pesticides NOT APPLIED to this crop in this reporting region due to implementation of alternative strategies, if any. Only those applications that would have been made to acres in the Sysco Sustainable/IPM Program had the alternative not been implemented.

Alternative strategy	Pesticide avoided (lbs. of active ingredient)
Beneficial organisms conserved	
Beneficial organisms released	
Crop rotation	
Pheromone mating disruption	
Scouting and thresholds	
Trap cropping	
Trapping	
Weather monitoring	
WITH ALL ACTIONS TAKEN AS THE IPM PROGRAM	

Total commercial fertilizer use for this crop, region and reporting year:

15.- Pounds of N, P and K and applied to acres of this crop from synthetic fertilizer and manure/compost in the Sysco/IPM program in this reporting region. Pounds of nutrient applied can be calculated by multiplying lbs. of fertilizer applied times the percent N, P or K contained in the fertilizer. Do not include green manure applications or contributions from crop rotation with legumes.

Lbs. nitrogen (N):

Lbs. phosphorus (P):

Lbs. potassium (K):

16.- Pounds of all other sources of N, P and K applied to acres of this crop that are counted as a contribution to the nutrient need of this crop. Pounds of nutrient applied can be calculated by multiplying lbs. of fertilizer applied times the estimated percent N, P or K contained in the material.

Material	Nutrient	Lbs. applied
Crop rotation with legumes	(K) Potassium	
Crop rotation with legumes	(N) Nitrogen	
Crop rotation with legumes	(P) Phosphorous	
Green manure	(K) Potassium	
Green manure	(N) Nitrogen	
Green manure	(P) Phosphorous	
Other	(K) Potassium	
Other	(N) Nitrogen	
Other	(P) Phosphorous	

17.- Estimated total pounds of synthetic commercial N, P or K of NOT APPLIED to this crop in this reporting region due strategies such as soil testing, variable rate application, split application timing, etc., if any. Only those applications that would have been made to acres in the Sysco Sustainable/IPM Program had the strategy not been implemented.

Strategy	Nutrient Avoided	Lbs. avoided
Soil testing	(K) Potassium	
Soil testing	(N) Nitrogen	
Soil testing	(P) Phosphorous	
Split application timing	(K) Potassium	
Split application timing	(N) Nitrogen	
Split application timing	(P) Phosphorous	
Variable rate application	(K) Potassium	
Variable rate application	(N) Nitrogen	
Variable rate application	(P) Phosphorous	
Other	(K) Potassium	
Other	(N) Nitrogen	
Other	(P) Phosphorous	

Total crop rejected due to pest damage or nutrient insufficiency.

18.- Estimated amount of processed product from crop and reporting region participating in the program that was not accepted for processing due to failure of pest or nutrient management

Reason for rejection	Description	Amount rejected (tons/metric tons) Choose one
Nutrient insufficiency		
Pest damage		

19.- Estimated amount of processed product from crop and reporting region not participating in the program that was not accepted for processing due to failure of pest or nutrient management

Reason for rejection	Description	Amount rejected (tons/metric tons) Choose one

Reduce/reuse/recycle for this crop, region and reporting year:

20.- Estimated amount of waste from growing and processing the crop that was recycled or reused by you or others

Type of Waste	Amount recycled/reused (Lbs./kg) Choose one
Vegetative material composted and returned to field	
Vegetative material left in field after harvest	
Vegetative material returned to field from processing plant	
Vegetative material used for cattle feed	
Vegetative or woody pruning returned to soil	
Other	

21.- Estimated percent of crop material recycled. For example, if 4,000 tons of crop material (not included in processed end product) is generated and 400 tons goes to the land fill as waste and the remainder is fed to cattle, report 90% percent recycled

Estimated percent of crop material recycled:

22.- Other recycling. Of all recyclable material generated in the growing and/or processing of this crop by the processor and growers, estimated amount and percent recycled for this crop, region and reporting year. Only those amounts attributable to program acres of this crop. For example, if overall office paper recycling is 10 tons/year and program acres for this crop represent 50% of overall production, report 5 tons.

Waste	Unit of measure	Amount recycled	Amount recycled as percent of total material generated
Glass	Lbs./kg (choose one)		
Batteries (Vehicle equipment)	Units		
Plastics	Lbs./kg (choose one)		
Metals	Lbs./kg (choose one)		
Non-edible Oils	Gallons/Liters (choose one)		
Cellulose	Lbs./kg (choose one)		
Pesticide Containers	Units		
Computers	Units		

Other resource conservation (Optional)

Of all resources used for the growing and or processing of this crop by the processors and growers, estimated reductions due to conservation strategies for this crop, region and reporting year. Only those amounts attributable to program acres of this crop. For example, if overall electricity conservation through efficient lighting is 2000 kw and program acres for this crop represent 50% of overall production, report 1000 kw. You may include conservation resulting from any strategies implemented during the last three years. For example, if energy-efficient lighting was installed three years ago, you may include benefits for this crop, region and reporting year resulting from that installation.

23.- Optional: Report estimated reductions in irrigation water use in this reporting year as a result of conservation strategies that were implemented within the past three years for this crop and region.

Strategy	Unit of Measure (Gallons/Liters/Acre Feet) Choose One	Total Number	Total %
Drop nozzles installed on overhead irrigation			
Furrow/Flood irrigation replaced by drip irrigation			
Improving irrigation water use efficiency			
Laser leveling flood irrigated fields			
Shutoff devices triggered by rainfall			
Soil and plant moisture technologies, e.g., soil probes, evapotranspiration monitoring			
Other			

24.- Optional: Report estimated reductions in processing plant water use in this reporting year as a result of conservation strategies implemented within the past three years for this crop and region.

Strategy	Unit of Measure (Gallons/Liters) Choose One	Total Number	Total %
Changes in processing strategy			
Upgrading processing equipment			
Water reuse/recycling			
Low flow nozzles			
Other			

25. A. - Optional: Report estimated reductions in electricity use in this reporting year as result of conservation strategies implemented within the past three years for this crop and region.

Resource	Strategy	Unit of Measure	Total Number	Total %
Field Production Electricity Use	Improving energy efficiency of irrigation pumps	Kilowatt Hours		
Field Production Electricity Use	Transition to solar energy	Kilowatt Hours		
Field Production Electricity Use	Transition to wind energy	Kilowatt Hours		
Processing Plant Electricity Use	Transition to solar energy	Kilowatt Hours		
Processing Plant Electricity Use	Transition to wind energy	Kilowatt Hours		
Processing Plant Electricity Use	Undergoing an energy audit and implementing recommendations	Kilowatt Hours		
	Other	Kilowatt Hours		

25. B.-Optional: Report estimated reductions in energy use in this reporting year as a result of conservation strategies implemented within the past three years for this crop and region.

	Strategy	Unit of Measure (Gallons/Liters) Choose One	Total Number	Total %
Field Production Energy Use	Improving energy efficiency of irrigation pumps			
Field Production Energy Use	Tractor auto-steering to increase fuel efficiency			
Field Production Energy Use	Tillage equipment used to reduce energy use (No till, Low till, avoid Moldboard plow, etc.			
Field Production Energy Use	Transition to biodiesel			
Field Production Energy Use	Transition to ethanol			
Processing Plant Energy Use	Transition to biodiesel			
Processing Plant Energy Use	Transition to ethanol			
	Other			

26.- Optional: Please indicate annual costs, including amortized start-up plus annual operating costs and annual returns on your initiatives related to improving sustainability in one or more of the following categories: energy conservation, water conservation, fertilizer use efficiency, pesticide use reduction, recycling and reuse, soil health or other areas. To help ensure accuracy, please report only those initiatives for which you formally and carefully track costs and returns. See EIR FAQ and Resources document for more information.

Example:

Category: *Energy conservation*

Briefly describe initiative: *Installed energy efficient LED lighting in processing plant*

Briefly describe how you tracked costs and returns: *Materials and service receipts; energy bills*

Annual costs: *$23,709*

Annual returns: *$26,022*

Category:

Briefly describe initiative:

Briefly describe how you tracked costs and returns:

Annual costs:

Annual returns:

Success stories/challenges:

27.-Successes in stewardship for this crop, region and reporting year. Examples include reducing pesticide use or nutrient applications, energy or water conservation, and reuse or recycling in the growing, harvesting and processing of this crop. Consider including cost and return estimates here that you did not track with sufficient rigor to report in question 26.

28.- Optional: Unusual challenges faced during this growing season that would justify increases in pesticide, nutrient use or decreases in energy or water conservation or recycling. Examples include above average rainfall increasing disease pressure or presence of a new pest.

29.- Optional: Additional quantitative resource improvements for this crop, region and reporting year and strategies used. Examples include reduction in nutrient, sediment or pesticide contamination of surface water by reducing applications, buffer or filter strips, stream bank restoration etc., or reduction

in nitrate or pesticide contamination of ground or well water by reducing applications or transitioning to alternative sources, or increases in endangered or threatened species populations by improving wildlife habitat, etc.

30.- Optional: Suggestions you have for improving the program.

Potato Sustainability Initiative (PSI) Audit Results

Answer the following questions only if you are a Supplier participating in the Potato Sustainability Initiative.

31. PSI Participants ONLY - Report the percentage of this processing location's sub-suppliers that were audited for PSI during the calendar year covered by this report. If no sub-suppliers were audited for this location, mark 0%.

32. PSI Participants ONLY - Report the average PSI audit score for the minimum requirements and the non-minimum requirements for this processing location (Priority 1 and Priority 2 questions combined)

Audit section	Audit Score (%). Select N/A if no sub-suppliers were audited at this processing location.
Minimum requirements	
Non-minimum requirements (Priority 1 and Priority 2)	