Practice: 595 - Integrated Pest Management

Scenario # 1 Basic IPM Field 1RC

Scenario Description: **Actual Scenario # 1** **New York**

A basic IPM plan with LGU-approved pest monitoring techniques and pest thresholds (where available) is applied in Large Scale Field/Forage Crops to address one identified resource concern (e.g. Water Quality - Impacts to Human Drinking Water) with either risk prevention (e.g. planned pesticides have no risk to the identified resource concern) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings).

Associated Practices: Agrichemical Handling Facility (309), Brush Management (314), Herbaceous Cover (315), Conservation Crop Rotation (328), Residue and Tillage Management - No-Till/Strip Till/Directs Seed (329), Cover Crop (340), Residue and Tillage Management - Mulch Till (345), Residue and Tillage Management - Ridge Till (346), Field Border (386), Riparian Herbaceous Cover (390), Riparian Forest Buffer (391), Filter Strip (393), Irrigation Water Management (449), Mulching (484), Forage Harvest Management (511), and Nutrient Management (590)

Before Practice Situation:

Before practice conditions vary widely. Conditions range from the client is not using many pest suppression techniques (pesticides, tillage for weed control, burning, etc.) to the client is using many different pest suppression techniques for many different pests, but in all cases at least one planned pest suppression technique has risk to an identified resource concern (e.g. Water Quality – Impacts to Human Drinking Water).

After Practice Situation:

After implementing the 595 practice, a basic IPM system has been implemented with Land Grant University approved pest monitoring techniques and pest thresholds (where available) to help meet the minimum criteria for one identified rresource concern (e.g. Water Quality - Impacts to Human Drinking Water) with either risk prevention (e.g. planned pesticides have no risk to the identified resource concern) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings).

Scenario Feature Measure:

Acres of management applied

Scenario Typical Size:	40	Acre	Tot Unit Cost	$17.81

Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Labor	Skilled Labor	2	Hour	$39.82	$79.64
Labor	Specialist Labor	6	Hour	$105.46	$632.76
				Total Cost:	$712.40

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	$13.36	EQIP-HU	$16.03
WHIP	$ 0.00	WHIP-HU	$ 0.00

Practice: 595 - Integrated Pest Management

Scenario # 2 Basic IPM Field >1RC

Scenario Description: **Actual Scenario # 2** **New York**

A basic IPM plan with LGU-approved pest monitoring techniques and pest thresholds (where available) is applied in Large Scale Field/Forage Crops to address multiple identified resource concerns (e.g. Water Quality – Impacts to Human Drinking Water and Pollinator Impacts) with either risk prevention (e.g. planned pesticides have no risks to the identified resource concerns) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings). Associated Practices: Agrichemical Handling Facility (309), Brush Management (314), Herbaceous Cover (315), Conservation Crop Rotation (328), Residue and Tillage Management - No-Till/Strip Till/Directs Seed (329), Cover Crop (340), Residue and Tillage Management - Mulch Till (345), Residue and Tillage Management - Ridge Till (346), Field Border (386), Riparian Herbaceous Cover (390), Riparian Forest Buffer (391), Filter Strip (393), Irrigation Water Management (449), Mulching (484), Forage Harvest Management (511), and Nutrient Management (590)

Before Practice Situation:

Before practice conditions vary widely. Conditions range from the client is not using many pest suppression techniques (pesticides, tillage for weed control, burning, etc.) to the client is using many different pest suppression techniques for many different pests, but in all cases at least one planned pest suppression technique has risk to two or more identified resource concerns (e.g. Water Quality – Impacts to Human Drinking Water and Impacts on Pollinators).

After Practice Situation:

After implementing the 595 practice, a basic IPM system has been implemented with Land Grant University approved pest monitoring techniques and pest thresholds (where available) to help meet the minimum criteria for two or more identified resource concerns (e.g. Water Quality - Impacts to Human Drinking Water and Impacts on Pollinators) with either risk prevention (e.g. planned pesticides have no risk to the identified resource concerns) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings).

Scenario Feature Measure:

Acres of management applied

Scenario Typical Size:	40	Acre	Tot Unit Cost	$24.08

Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Labor	Skilled Labor	3	Hour	$39.82	$119.46
Labor	Specialist Labor	8	Hour	$105.46	$843.68
				Total Cost:	$963.14

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	$18.06	EQIP-HU	$21.67
WHIP	$ 0.00	WHIP-HU	$ 0.00

Practice: 595 - Integrated Pest Management

Scenario # 3 Advanced Field All RCs

Scenario Description: **Actual Scenario # 3** **New York**

A comprehensive IPM plan with LGU-approved pest prevention, avoidance and monitoring techniques and pest thresholds (where available) is applied in Large Scale Field/Forage Crops to address all identified resource concerns with either risk prevention (e.g. planned pesticides have no risk to the identified resource concerns) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings).

Associated Practices: Agrichemical Handling Facility (309), Brush Management (314), Herbaceous Cover (315), Conservation Crop Rotation (328), Residue and Tillage Management - No-Till/Strip Till/Directs Seed (329), Cover Crop (340), Residue and Tillage Management - Mulch Till (345), Residue and Tillage Management - Ridge Till (346), Field Border (386), Riparian Herbaceous Cover (390), Riparian Forest Buffer (391), Filter Strip (393), Irrigation Water Management (449), Mulching (484), Forage Harvest Management (511), and Nutrient Management (590)

Before Practice Situation:

Before practice conditions vary widely. Conditions range from the client is not using many pest suppression techniques (pesticides, tillage for weed control, burning, etc.) to the client is using many different pest suppression techniques for many different pests, but in all cases at least one planned pest suppression technique has risk to an identified resource concern (e.g. Water Quality – Impacts to Human Drinking Water).

After Practice Situation:

After implementing the 595 practice, a comprehensive IPM plan with Land Grant University approved pest prevention, avoidance and monitoring techniques and pest thresholds (where available) is applied to help meet the minimum criteria for all identified resource concerns with either risk prevention (e.g. planned pesticides have no risk to the identified resource concerns) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings).

Scenario Feature Measure:

Acres of management applied

Scenario Typical Size:	40	Acre	Tot Unit Cost	$35.62

Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Labor	Skilled Labor	4	Hour	$39.82	$159.28
Labor	Specialist Labor	12	Hour	$105.46	$1,265.52
				Total Cost:	$1,424.80

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	$26.72	EQIP-HU	$32.06
WHIP	$ 0.00	WHIP-HU	$ 0.00

Practice: 595 - Integrated Pest Management

Scenario # 4 Basic IPM Fruit/Veg 1RC

Scenario Description: **Actual Scenario # 4** **New York**

A basic IPM plan with LGU-approved pest monitoring techniques and pest thresholds (where available) is applied in Large Scale Small Fruit/Vegetable Crops to address one identified resource concern (e.g. Water Quality - Impacts to Human Drinking Water) with either risk prevention (e.g. planned pesticides no risk to the identified resource concern) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for “Intermediate”, “High” or “Extra High” WIN-PST Final Hazard Ratings).
Associated Practices: Agrichemical Handling Facility (309), Brush Management (314), Herbaceous Cover (315), Conservation Crop Rotation (328), Residue and Tillage Management - No-Till/Strip Till/Directs Seed (329), Cover Crop (340), Residue and Tillage Management - Mulch Till (345), Residue and Tillage Management - Ridge Till (346), Field Border (386), Riparian Herbaceous Cover (390), Riparian Forest Buffer (391), Filter Strip (393), Irrigation Water Management (449), Mulching (484), Forage Harvest Management (511), and Nutrient Management (590)

Before Practice Situation:

Before practice conditions vary widely. Conditions range from the client is not using many pest suppression techniques (pesticides, tillage for weed control, burning, etc.) to the client is using many different pest suppression techniques for many different pests, but in all cases at least one planned pest suppression technique has risk to an identified resource concern (e.g. Water Quality – Impacts to Human Drinking Water).

After Practice Situation:

After implementing the 595 practice, a basic IPM system has been implemented with Land Grant University approved pest monitoring techniques and pest thresholds (where available) to help meet the minimum criteria for at least one identified resource concern (e.g. Water Quality - Impacts to Human Drinking Water) with either risk prevention (e.g. planned pesticides have no risk to the identified resource concern) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for “Intermediate”, “High” or “Extra High” WIN-PST Final Hazard Ratings).

Scenario Feature Measure:

Acres of management applied

Scenario Typical Size:	10	Acre	Tot Unit Cost	$100.30

Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Labor	Skilled Labor	4	Hour	$39.82	$159.28
Labor	Specialist Labor	8	Hour	$105.46	$843.68
				Total Cost:	$1,002.96

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	$75.22	EQIP-HU	$90.27
WHIP	$ 0.00	WHIP-HU	$ 0.00

Practice: 595 - Integrated Pest Management

Scenario # 5 Basic IPM Fruit/Veg >1RC

Scenario Description: **Actual Scenario # 5** **New York**

A basic IPM plan with LGU-approved pest monitoring techniques and pest thresholds (where available) is applied in Large Scale Small Fruit/Vegetable Crops to address multiple identified resource concerns (e.g. Water Quality - Impacts to Human Drinking Water and Pollinator Impacts) with either risk prevention (e.g. planned pesticides have no risk to identified resource concerns) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings). Associated Practices: Agrichemical Handling Facility (309), Brush Management (314), Herbaceous Cover (315), Conservation Crop Rotation (328), Residue and Tillage Management - No-Till/Strip Till/Directs Seed (329), Cover Crop (340), Residue and Tillage Management - Mulch Till (345), Residue and Tillage Management - Ridge Till (346), Field Border (386), Riparian Herbaceous Cover (390), Riparian Forest Buffer (391), Filter Strip (393), Irrigation Water Management (449), Mulching (484), Forage Harvest Management (511), and Nutrient Management (590)

Before Practice Situation:

Before practice conditions vary widely. Conditions range from the client is not using many pest suppression techniques (pesticides, tillage for weed control, burning, etc.) to the client is using many different pest suppression techniques for many different pests, but in all cases at least one planned pest suppression technique has risk to two or more identified resource concerns (e.g. Water Quality – Impacts to Human Drinking Water and Impacts on Pollinators).

After Practice Situation:

After implementing the 595 practice, a basic IPM system has been implemented with Land Grant University approved pest monitoring techniques and pest thresholds (where available) to help meet the minimum criteria for two or more identified resource concerns (e.g. Water Quality - Impacts to Human Drinking Water and Impacts on Pollinators) with either risk prevention (e.g. planned pesticides have no risk to the identified resource concerns) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings).

Scenario Feature Measure:

Acres of management applied

Scenario Typical Size:	10	Acre	Tot Unit Cost	$129.35

Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Labor	Skilled Labor	6	Hour	$39.82	$238.92
Labor	Specialist Labor	10	Hour	$105.46	$1,054.60
				Total Cost:	$1,293.52

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	$97.01	EQIP-HU	$116.42
WHIP	$ 0.00	WHIP-HU	$ 0.00

Practice: 595 - Integrated Pest Management

Scenario # 6 Advanced IPM Fruit/Veg All RCs

Scenario Description: **Actual Scenario # 6** **New York**

A comprehensive IPM plan with LGU-approved pest prevention, avoidance and monitoring techniques and pest thresholds (where available) is applied in Large Scale Small Fruit/Vegetable Crops to address all identified resource concerns with either risk prevention (e.g. planned pesticides have no risk to the identified resource concerns) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings).

Associated Practices: Agrichemical Handling Facility (309), Brush Management (314), Herbaceous Cover (315), Conservation Crop Rotation (328), Residue and Tillage Management - No-Till/Strip Till/Directs Seed (329), Cover Crop (340), Residue and Tillage Management - Mulch Till (345), Residue and Tillage Management - Ridge Till (346), Field Border (386), Riparian Herbaceous Cover (390), Riparian Forest Buffer (391), Filter Strip (393), Irrigation Water Management (449), Mulching (484), Forage Harvest Management (511), and Nutrient Management (590)

Before Practice Situation:

Before practice conditions vary widely. Conditions range from the client is not using many pest suppression techniques (pesticides, tillage for weed control, burning, etc.) to the client is using many different pest suppression techniques for many different pests, but in all cases at least one planned pest suppression technique has risk to an identified resource concern (e.g. Water Quality – Impacts to Human Drinking Water).

After Practice Situation:

After implementing the 595 practice, a comprehensive IPM plan with Land Grant University approved pest prevention, avoidance and monitoring techniques and pest thresholds (where available) is applied to help meet the minimum criteria for all identified resource concerns with either risk prevention (e.g. planned pesticides have no risk to the identified resource concerns) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings).

Scenario Feature Measure:

Acres of management applied

Scenario Typical Size:	10	Acre	Tot Unit Cost	$198.01

Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Labor	Skilled Labor	10	Hour	$39.82	$398.20
Labor	Specialist Labor	15	Hour	$105.46	$1,581.90
				Total Cost:	$1,980.10

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	$148.51	EQIP-HU	$178.21
WHIP	$ 0.00	WHIP-HU	$ 0.00

Practice: 595 - Integrated Pest Management

Scenario # 7 Basic IPM Orchard 1RC

Scenario Description: **Actual Scenario # 7** **New York**

A basic IPM plan with LGU-approved pest monitoring techniques and pest thresholds (where available) is applied in Large Scale Orchard/Specialty Crops to address one identified resource concern (e.g. Water Quality - Impacts to Human Drinking Water) with either risk prevention (e.g. planned pesticides have no risk to the identified resource concern) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings).

Associated Practices: Agrichemical Handling Facility (309), Brush Management (314), Herbaceous Cover (315), Conservation Crop Rotation (328), Residue and Tillage Management - No-Till/Strip Till/Directs Seed (329), Cover Crop (340), Residue and Tillage Management - Mulch Till (345), Residue and Tillage Management - Ridge Till (346), Field Border (386), Riparian Herbaceous Cover (390), Riparian Forest Buffer (391), Filter Strip (393), Irrigation Water Management (449), Mulching (484), Forage Harvest Management (511), and Nutrient Management (590)

Before Practice Situation:

Before practice conditions vary widely. Conditions range from the client is not using many pest suppression techniques (pesticides, tillage for weed control, burning, etc.) to the client is using many different pest suppression techniques for many different pests, but in all cases at least one planned pest suppression technique has risk to an identified resource concern (e.g. Water Quality – Impacts to Human Drinking Water).

After Practice Situation:

After implementing the 595 practice, a basic IPM system has been implemented with Land Grant University approved pest monitoring techniques and pest thresholds (where available) to help meet the minimum criteria for at least one identified resource concern (e.g. Water Quality - Impacts to Human Drinking Water) with either risk prevention (e.g. planned pesticides have no risk to the identified resource concern) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings).

Scenario Feature Measure:

Acres of management applied

Scenario Typical Size:	10	Acre	Tot Unit Cost	$129.35

Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Labor	Skilled Labor	6	Hour	$39.82	$238.92
Labor	Specialist Labor	10	Hour	$105.46	$1,054.60
				Total Cost:	$1,293.52

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	$97.01	EQIP-HU	$116.42
WHIP	$ 0.00	WHIP-HU	$ 0.00

Practice: 595 - Integrated Pest Management

Scenario # 8 Basic IPM Orchard >1RC

Scenario Description: **Actual Scenario # 8** **New York**

A basic IPM plan with LGU-approved pest monitoring techniques and pest thresholds (where available) is applied in Large Scale Orchard/Specialty Crops to address multiple identified resource concerns (e.g. Water Quality - Impacts to Human Drinking Water and Pollinator Impacts) with either risk prevention (e.g. planned pesticides have no risks to identified resource concerns) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings). Associated Practices: Agrichemical Handling Facility (309), Brush Management (314), Herbaceous Cover (315), Conservation Crop Rotation (328), Residue and Tillage Management - No-Till/Strip Till/Directs Seed (329), Cover Crop (340), Residue and Tillage Management - Mulch Till (345), Residue and Tillage Management - Ridge Till (346), Field Border (386), Riparian Herbaceous Cover (390), Riparian Forest Buffer (391), Filter Strip (393), Irrigation Water Management (449), Mulching (484), Forage Harvest Management (511), and Nutrient Management (590)

Before Practice Situation:

Before practice conditions vary widely. Conditions range from the client is not using many pest suppression techniques (pesticides, tillage for weed control, burning, etc.) to the client is using many different pest suppression techniques for many different pests, but in all cases at least one planned pest suppression technique has risk to two or more identified resource concerns (e.g. Water Quality – Impacts to Human Drinking Water and Impacts on Pollinators).

After Practice Situation:

After implementing the 595 practice, a basic IPM system has been implemented with Land Grant University approved pest monitoring techniques and pest thresholds (where available) to help meet the minimum criteria for two or more identified resource concerns (e.g. Water Quality - Impacts to Human Drinking Water and Impacts on Pollinators) with either risk prevention (e.g. planned pesticides have no risk to the identified resource concerns) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings).

Scenario Feature Measure:

Acres of management applied

Scenario Typical Size:	10	Acre	Tot Unit Cost	$198.01

Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Labor	Skilled Labor	10	Hour	$39.82	$398.20
Labor	Specialist Labor	15	Hour	$105.46	$1,581.90
				Total Cost:	$1,980.10

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	$148.51	EQIP-HU	$178.21
WHIP	$ 0.00	WHIP-HU	$ 0.00

Practice: 595 - Integrated Pest Management

Scenario # 9 Advanced IPM Orchard All RCs

Scenario Description: **Actual Scenario # 9** **New York**

A comprehensive IPM plan with LGU-approved pest prevention, avoidance and monitoring techniques and pest thresholds (where available) is applied in Large Scale Orchard/Specialty Crops to address all identified resource concerns with either risk prevention (e.g. planned pesticides have no risk to identified resource concerns) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings).

Associated Practices: Agrichemical Handling Facility (309), Brush Management (314), Herbaceous Cover (315), Conservation Crop Rotation (328), Residue and Tillage Management - No-Till/Strip Till/Directs Seed (329), Cover Crop (340), Residue and Tillage Management - Mulch Till (345), Residue and Tillage Management - Ridge Till (346), Field Border (386), Riparian Herbaceous Cover (390), Riparian Forest Buffer (391), Filter Strip (393), Irrigation Water Management (449), Mulching (484), Forage Harvest Management (511), and Nutrient Management (590)

Before Practice Situation:

Before practice conditions vary widely. Conditions range from the client is not using many pest suppression techniques (pesticides, tillage for weed control, burning, etc.) to the client is using many different pest suppression techniques for many different pests, but in all cases at least one planned pest suppression technique has risk to an identified resource concern (e.g. Water Quality – Impacts to Human Drinking Water).

After Practice Situation:

After implementing the 595 practice, a comprehensive IPM plan with Land Grant University approved pest prevention, avoidance and monitoring techniques and pest thresholds (where available) is applied to help meet the minimum criteria for all identified resource concerns with either risk prevention (e.g. planned pesticides have no risk to the identified resource concerns) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings).

Scenario Feature Measure:

Acres of management applied

Scenario Typical Size:	10	Acre	Tot Unit Cost	$310.47

Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Labor	Skilled Labor	25	Hour	$39.82	$995.50
Labor	Specialist Labor	20	Hour	$105.46	$2,109.20
				Total Cost:	$3,104.70

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	$232.85	EQIP-HU	$279.42
WHIP	$ 0.00	WHIP-HU	$ 0.00

Practice: 595 - Integrated Pest Management

Scenario # 10 IPM S-Farm 1RC

Scenario Description: **Actual Scenario # 10** **New York**

A basic IPM plan with LGU-approved pest monitoring techniques and pest thresholds (where available) is applied in Small Farm/Diversified Systems (e.g. CSA, organic, etc.) to address one identified resource concern (e.g. Water Quality - Impacts to Human Drinking Water) with either risk prevention (e.g. planned pesticides have no risk to the identified resource concern) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings). This scenario attempts to capture the higher cost/acre of planning and implementing IPM techniques on smaller acreages with very diverse cropping systems.

Associated Practices: Agrichemical Handling Facility (309), Brush Management (314), Herbaceous Cover (315), Conservation Crop Rotation (328), Residue and Tillage Management - No-Till/Strip Till/Directs Seed (329), Cover Crop (340), Residue and Tillage Management - Mulch Till (345), Residue and Tillage Management - Ridge Till (346), Field Border (386), Riparian Herbaceous Cover (390), Riparian Forest Buffer (391), Filter Strip (393), Irrigation Water Management (449), Mulching (484), Forage Harvest Management (511), and Nutrient Management (590)

Before Practice Situation:

Before practice conditions vary widely. Conditions range from the client is not using many pest suppression techniques (pesticides, tillage for weed control, burning, etc.) to the client is using many different pest suppression techniques for many different pests, but in all cases at least one planned pest suppression technique has risk to an identified resource concern (e.g. Water Quality – Impacts to Human Drinking Water).

After Practice Situation:

After implementing the 595 practice, a basic IPM system has been implemented with Land Grant University approved pest monitoring techniques and pest thresholds (where available) to help meet the minimum criteria for at least one identified resource concern resource concern (e.g. Water Quality - Impacts to Human Drinking Water) with either risk prevention (e.g. planned pesticides have no risk to the identified resource concern) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings).

Scenario Feature Measure:

Acres of management applied

Scenario Typical Size:	1	Each	Tot Unit Cost	$606.94

Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Labor	Skilled Labor	2	Hour	$39.82	$79.64
Labor	Specialist Labor	5	Hour	$105.46	$527.30
				Total Cost:	$606.94

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	$455.21	EQIP-HU	$546.25
WHIP	$ 0.00	WHIP-HU	$ 0.00

Practice: 595 - Integrated Pest Management

Scenario # 11 IPM S-Farm >1RC

Scenario Description: **Actual Scenario # 11** **New York**

A basic IPM plan with LGU-approved pest monitoring techniques and pest thresholds (where available) is applied in Small Farm/ Diversified Systems (e.g. CSA, organic, etc.) to address multiple identified resource concerns (e.g. Water Quality - Impacts to Human Drinking Water and Pollinator Impacts) with either risk prevention (e.g. planned pesticides have no risk to the identified resource concerns) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings). This scenario attempts to capture the higher cost/acre of planning and implementing IPM techniques on smaller acreages with very diverse cropping systems.

Associated Practices: Agrichemical Handling Facility (309), Brush Management (314), Herbaceous Cover (315), Conservation Crop Rotation (328), Residue and Tillage Management - No-Till/Strip Till/Directs Seed (329), Cover Crop (340), Residue and Tillage Management - Mulch Till (345), Residue and Tillage Management - Ridge Till (346), Field Border (386), Riparian Herbaceous Cover (390), Riparian Forest Buffer (391), Filter Strip (393), Irrigation Water Management (449), Mulching (484), Forage Harvest Management (511), and Nutrient Management (590)

Before Practice Situation:

Before practice conditions vary widely. Conditions range from the client is not using many pest suppression techniques (pesticides, tillage for weed control, burning, etc.) to the client is using many different pest suppression techniques for many different pests, but in all cases at least one planned pest suppression technique has risk to two or more identified resource concerns (e.g. Water Quality – Impacts to Human Drinking Water and Impacts on Pollinators).

After Practice Situation:

After implementing the 595 practice, a basic IPM system has been implemented with Land Grant University approved pest monitoring techniques and pest thresholds (where available) to help meet the minimum criteria for two or more identified resource concerns (e.g. Water Quality - Impacts to Human Drinking Water and Impacts on Pollinators) with either risk prevention (e.g. planned pesticides have no risk to the identified resource concerns) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings).

Scenario Feature Measure:

Acres of management applied

Scenario Typical Size:	1	Each	Tot Unit Cost	$792.04

Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Labor	Skilled Labor	4	Hour	$39.82	$159.28
Labor	Specialist Labor	6	Hour	$105.46	$632.76
				Total Cost:	$792.04

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	$594.03	EQIP-HU	$712.84
WHIP	$ 0.00	WHIP-HU	$ 0.00

Practice: 595 - Integrated Pest Management

Scenario # 12 Advanced IPM S-Farm All RCs

Scenario Description: **Actual Scenario # 12** **New York**

A comprehensive IPM plan with LGU-approved pest prevention, avoidance and monitoring techniques and pest thresholds (where available) is applied in Small Farm/Diversified Systems (e.g. CSA, Organic, etc.) to address all identified resource concerns with either risk prevention (e.g. planned pesticides have no risk to the identified resource concerns) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings. This scenario attempts to capture the higher cost/acre of planning and implementing IPM techniques on smaller acreages with very diverse cropping systems.

Associated Practices: Agrichemical Handling Facility (309), Brush Management (314), Herbaceous Cover (315), Conservation Crop Rotation (328), Residue and Tillage Management - No-Till/Strip Till/Directs Seed (329), Cover Crop (340), Residue and Tillage Management - Mulch Till (345), Residue and Tillage Management - Ridge Till (346), Field Border (386), Riparian Herbaceous Cover (390), Riparian Forest Buffer (391), Filter Strip (393), Irrigation Water Management (449), Mulching (484), Forage Harvest Management (511), and Nutrient Management (590)

Before Practice Situation:

Before practice conditions vary widely. Conditions range from the client is not using many pest suppression techniques (pesticides, tillage for weed control, burning, etc.) to the client is using many different pest suppression techniques for many different pests, but in all cases at least one planned pest suppression technique has risk to an identified resource concern (e.g. Water Quality – Impacts to Human Drinking Water).

After Practice Situation:

After implementing the 595 practice, a comprehensive IPM plan with Land Grant University approved pest prevention, avoidance and monitoring techniques and pest thresholds (where available) is applied to help meet the minimum criteria for all identified resource concerns with either risk prevention (e.g. planned pesticides have no risk to the identified resource concerns) or risk mitigation (e.g. planned pesticides have appropriate mitigation planned from Agronomy Technical Note 5 for "Intermediate", "High" or "Extra High" WIN-PST Final Hazard Ratings).

Scenario Feature Measure:

Acres of management applied

Scenario Typical Size:	1	Each	Tot Unit Cost	$1,188.06

Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Labor	Skilled Labor	6	Hour	$39.82	$238.92
Labor	Specialist Labor	9	Hour	$105.46	$949.14
				Total Cost:	$1,188.06

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	$891.05	EQIP-HU	$1,069.25
WHIP	$ 0.00	WHIP-HU	$ 0.00

Practice: 595 - Integrated Pest Management

Scenario # 13 Risk Prevention IPM All RCs

Scenario Description: **Actual Scenario # 13** **New York**

A comprehensive IPM plan based primarily on LGU-approved pest prevention and avoidance techniques is applied to prevent negative impacts on all identified resource concerns. LGU-approved pest monitoring techniques and pest thresholds may also be included, but suppression techniques cannot pose any hazards to identified resource concerns. This type of system is very difficult to achieve, but may be most commonly achieved in Organic Systems that already rely heavily on prevention and avoidance techniques.

Associated Practices: Agrichemical Handling Facility (309), Brush Management (314), Herbaceous Cover (315), Conservation Crop Rotation (328), Residue and Tillage Management - No-Till/Strip Till/Directs Seed (329), Cover Crop (340), Residue and Tillage Management - Mulch Till (345), Residue and Tillage Management - Ridge Till (346), Field Border (386), Riparian Herbaceous Cover (390), Riparian Forest Buffer (391), Filter Strip (393), Irrigation Water Management (449), Mulching (484), Forage Harvest Management (511), and Nutrient Management (590)

Before Practice Situation:

Before practice conditions vary widely. Conditions range from the client is not using many pest suppression techniques (pesticides, tillage for weed control, burning, etc.) to the client is using many different pest suppression techniques for many different pests, but in all cases at least one planned pest suppression technique has risk to an identified resource concern (e.g. Water Quality – Impacts to Human Drinking Water).

After Practice Situation:

After implementing the 595 practice, a comprehensive IPM plan based primarily on Land Grant University approved pest prevention and avoidance techniques is applied to prevent negative impacts on all identified resource concerns. Land Grant University approved pest monitoring techniques and pest thresholds may also be included, but suppression techniques cannot pose any hazards to identified resource concerns.

Scenario Feature Measure:

Acres of management applied

Scenario Typical Size:	10	Acre	Tot Unit Cost	$165.19

Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Labor	Skilled Labor	15	Hour	$39.82	$597.30
Labor	Specialist Labor	10	Hour	$105.46	$1,054.60
				Total Cost:	$1,651.90

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	$123.89	EQIP-HU	$148.67
WHIP	$ 0.00	WHIP-HU	$ 0.00