State	Practice Code	Practice/Activity Name	Practice/Activity Type
US States and Te	154	IPM Herbicide Resist Weed Mgmt CAP--Large >250 acres	IPM Herbicide Resist Weed CAP

Cost Data

Scenario Description:

Development of a 154 Integrated Pest Management Herbicide Resistance Weed Conservation Activity Plan CAP on greater than 250 acres.

Natural Resource Concern:	Water quality, soil erosion, soil condition, and plant condition are the appropriate resource concerns.
Resource Setting:	On-farm cropland where weeds are resistant to herbicides, including organic and specialty crop operations.
Before Practice Situation:	Agricultural producer currently has no plan or limited knowledge for management of cropland weeds or for adaptive techniques to address herbicide resistant weeds. The producer currently manages cropland weeds based upon herbicide label instructions, personal knowledge, or other local criteria, and has not implemented strategies to diversity crop rotations and rotate herbicide modes of action for purpose of managing resistant weed spread and protecting soil quality and plant condition. Producer is interested in managment of weeds to maximize yields, profit margin, reduce costs, address challenges in herbicide resistant weeds, and for environmental benefit. Producer is willing to collaborate with a certified TSP to develop a plan and collect/coordinate data recording to monitor per requirements of plan.
After Practice Situation:	After EQIP contract approval, participant has obtained services from a certified TSP for develop of the "Herbicide Resistance Weed" conservation activity plan. The CAP criteria requires the plan to meet quality criteria for applicable resource concerns and provides for opportunities to utilize the following strategies: Prevention, Avoidance, Monitoring, and Suppression, which will be implemented through use of Integrated Pest Management and may use one or more of the following conservation practices: Crop Rotation, Cover Crop, and Residue Management. Recommendaitons on crop system diversification and integration of herbicide mode of action rotation effective for weed control on recommended crop rotation are integral to the CAP. CAP plan may include recommendations for associated conservation practices which address other related resource concerns. CAP meets the basic quality criteria for the 154 plan as cited in the NRCS Field Office Technical Guide.
Associated Practices:	Integrated Pest Management, Crop Rotation, Cover Crop, Field Boarder, Filter Strip, Stripcropping, and Residue and Tillage management practices, or other application conservation practices cited tin the NRCS Field Office Technical Guide.

Geographic Area: US States and Territories
Unit for Cost Estimate: No
Practice Life (Years): 1
Discount Rate (%/Year): 0%

Cost/Unit

Materials $0.00
Not Applicable

Equipment/Installation $0.00
Not Applicable

Labor $4,524.60

Labor provided by a certified Technical Service Provider for development of the CAP plan. Specific estimated costs as follows:

Name of Item (Data Source Number)	Unit	Cost/Unit	Number	Item Cost
CAP Labor, agronomist	Hour	$75.41	60	$4,525

Build on data used to build the 114 CAP LARGE system, with the additional consideration of planning time needed to develop crop system management recommendations, including diversification of current cropping systems and weed control thresholds based on specific crop yield pest tolerances. IPM 114 LARGE = 10 acres/hr planning, assume 154 planning including crop management elements would take 20% longer, resulting in planning time of 8 acres/hr for 154 CAP. Thus, 500 acre midpoint for "large" operation for 154 planning would take approximately 60 hours planning time.

Mobilization $0.00
Not Applicable

Operation & Maintenance (Annual) $0.00
Not Applicable

Acquisition of Technical Knowledge $0.00

Forgone Income (Annual) $0.00
Not Applicable

Risk $0.00
Not Applicable

Administration & Permit Costs $0.00
Not Applicable

Total Cost Estimate: **$4,524.60**