

Selected Achievements and Impacts of IPM CRSP Activities

Region/Site	Crop	Technology	Achievement/Impact
South Asia/ Bangladesh	Eggplant Onion	Soil-borne disease management with soil amendments (poultry refuse)	<ul style="list-style-type: none"> • 185% yield increase • 198% yield increase
	Eggplant	Grafting for bacterial wilt control	<ul style="list-style-type: none"> • Reduced wilt induced plant mortality 93% • Fruit yields increased 249% • Income increased 305%
	Cucumber	Fruit fly management with pheromone (Cuelure) traps	<ul style="list-style-type: none"> • Fruit infestation decreased 500% • Significantly higher yields • \$ 1,000,000+ savings in insecticide costs
	Vegetables	Technology transfer	<ul style="list-style-type: none"> • 47,700 men & women farmers trained in Farmer Field Sch.s • Chili farmers increased income by 286% using soil amendments as taught in FFSS
Southeast Asia/ Philippines	Onions	Weed management	<ul style="list-style-type: none"> • Environmental benefits of IPM= \$150,00 per year to 4,600 residents in 6 villages • Pesticide reduction about 50%
	Eggplant	Grafting for bacterial wilt control	<ul style="list-style-type: none"> • Increased consumption of 90+ calories per day
Central America/ Honduras	Snow peas	Production and post-harvest IPM and preinspection program established	<ul style="list-style-type: none"> • Snow pea export industry saved • Farmers regained market share of exports • Pesticide free snow peas for U.S. consumers
	Tomatoes	IPM package developed	<ul style="list-style-type: none"> • Pesticide use decreased by 50% • Profits increased \$1700 per acre
South America/ Ecuador	Potatoes	Andean potato weevil IPM package developed and disseminated via FFSS	<ul style="list-style-type: none"> • Net present value of IPM package about \$357,000 • Net benefit per hectare of adopting IPM is \$700
	Potatoes	Technology transfer	<ul style="list-style-type: none"> • 500+ farmers trained in Carchi province via FFSS, field days and workshops • 50% of Carchi farmers use recommended IPM practices
Caribbean/ Jamaica	Callaloo	Threshold-based monitoring	<ul style="list-style-type: none"> • Potential to reduce pesticide applications by 85%
	Sweet potato	IPM package developed for potato weevil management	<ul style="list-style-type: none"> • Weevil damage decreased by 75%
	Hot pepper	Multi-institutional and multi-disciplinary gall midge task force developed action plan	<ul style="list-style-type: none"> • Pepper export industry saved • Port interceptions decreased by 90% • Model action plan transferred to other Caribbean countries
East Africa/ Uganda	Sorghum	Novel Striga (parasitic weed) options developed	<ul style="list-style-type: none"> • Decreased Striga plants emerging by 83% • Increased sorghum yield by 83%
	Tomatoes	Management of late blight	<ul style="list-style-type: none"> • Yield increases of 100%, 87% and 83% for mulching, staking and trellising respectively
	Cowpea	Introduction of improved cowpea varieties	<ul style="list-style-type: none"> • Average yields of 1000 kg/ha compared to the national average of 400 kg /ha
West Africa/ Mali	Green beans	ICM package for green bean exports	<ul style="list-style-type: none"> • Disseminated to 700 farmers who now grow higher quality beans with high yields and no pesticides
	Tomatoes	Host-free period for management of viruses	<ul style="list-style-type: none"> • Solved virus problem as "illegal" off season host plants decreased from 13.56 ha to 0.05 ha from 2003 to 2006
	Vegetables	Environmental Toxicology Laboratory development	<ul style="list-style-type: none"> • Functioning lab established through short term and degree training and provision of supplies and equipment
	Vegetables	Pesticide safety education	<ul style="list-style-type: none"> • Literature developed and 1489 farmers (819 women and 670 men) in 38 villages trained in pesticide safety skills
Eastern Europe	Olives	IPM package developed	<ul style="list-style-type: none"> • Increased grower profits by 20%
	Olives	IPM package for organic olives	<ul style="list-style-type: none"> • Organic olive oil produced for 1st time on 13,400 trees
	Olives	Weed management strategy	<ul style="list-style-type: none"> • Produced yields 234% more than herbicide treatments