BENEFICIAL INSECTS FOR FRUIT AND VEGETABLE GROWERS Enhancing habitat that adjoins fields with native flowering plants will attract beneficial insects that provide two critical ecosystem services: pest insect population control and pollination. The following chart and photos provide information on common beneficial insects and their predator/prey relationships.		S	beetle larvae	caterpillars	earthworms	ß	eggs of pest insects		grasshoppers	leafhoppers	bugs	mealybugs		Β	ies			cale		flies
BENEFICIAL INSECT	PREY OR HOSTS OF NOTE / COMMENTS	aphids	beetle	caterp	earth	earwigs	eggs (flies	grass	leafhc	lygus bugs	mealy	mites	psyllid	sawflies	slugs	snails	soft scale	thrips	whiteflies
Green Lacewings (family Chrysopidae) 🔹	Eggs laid on long stalks attached to plants	X	X	Х			Х			Х	Х	Х	Х	Х				Х	Х	Х
Brown Lacewings (family Hemerobiidae)	Eggs laid singly on buds, leaves, or sheltered location	X	X	Х			Х						Х							
Ladybird Beetles (Ladybugs)	Both adults and larvae are predators on soft-bodied insects	X					Х					Х	Х					Х		Х
Syrphid Flies (Flower/Hover Flies)	Subfamily Syrphinae only; adults consume flower nectar and pollen	X																		
Long-legged Flies, Condylostylus	Mites, thrips	X	X							Х			Х						Х	
Tachinid Flies	Parasitic, females lay eggs on or in host		X	Х		Х			Х						Х					
Soldier Beetles, Chauliognathus	Larvae search for prey in leaf litter, on plants, and in the soil	X	X	Х			Х									Х	Х		Х	
Ground Beetles, Harpalus, Poecilus	Eggs laid in soil, both adults and larvae are nocturnal predators	X	Х		Х			Х	Х							Х	Х			
Plant Bugs, Plagiognathus	Eggs laid in new growth of shrubs, nymphs and adults predatory	X											Х							
Assassin Bugs, Zelus	Both adults and nymphs are predatory	X		Х				Х		Х			Х							
Damsel Bugs, Nabis	Colorado potato beetle larvae	X	X	Х				Х		Х			Х						Х	
Spined Soldier Bug, Podisus	European corn borer, fall armyworm, beet armyworm, cabbage looper, corn earworm, Colorado potato beetle, Mexican bean beetle		Х	Х																
Braconid Wasps	European corn borer, armyworms, hornworms, corn rootworm	X		Х																
Potter and Mason Wasps	Most nest in cavities aboveground and hunt a variety of caterpillars		X	Х																
Yellowjackets, Vespula, Dolichovespula 🛟	Pear psylla, fall webworm		Х	Х				Х		Х				Х						
Paper Wasps, Polistes	Cabbage looper, hornworms, fall armyworm		Х	Х																
Scoliid and Thynnid Wasps	White grubs (scarab beetle larvae)		X																	
Jumping, Wolf, Orbweaver Spiders	Cucumber beetles, flea beetles	X	X	Х			Х			Х	Х									

Prepared for Marion County SWCD by Heather Holm. This material is based upon work supported by the U.S. Department of Agriculture, under agreement number NR2052KYXXXC013 and through funding provided to NACD by the USDA NRCS. USDA is an equal opportunity provider, employer and lender.







Page 1

leanWate

BENEFICIAL INSECTS FOR FRUIT AND VEGETABLE GROWERS

