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.  **Visits Flowers**		sp	beetle larvae	caterpillars	earthworms	/igs	eggs of pest insects		grasshoppers	leafhoppers	lygus bugs	mealybugs	S	pi	lies	8	S	soft scale	S	whiteflies
BENEFICIAL INSECT	PREY OR HOSTS OF NOTE / COMMENTS	aphids	beet	cate	eart	earwigs	eggs	flies	gras	leafh	lygn	mea	mites	psyllid	sawflies	slngs	snails	soft	thrips	whit
Green Lacewings (family Chrysopidae)	Eggs laid on long stalks attached to plants	Х	Χ	Χ			Х			Χ	Х	Х	Х	Χ				Х	Χ	Х
Brown Lacewings (family Hemerobiidae)	Eggs laid singly on buds, leaves, or sheltered location	Х	Х	Χ			Х						Х							
Ladybird Beetles (Ladybugs)	Both adults and larvae are predators on soft-bodied insects	Х					Х					Χ	Х					Х		Χ
Syrphid Flies (Flower/Hover Flies)	Subfamily Syrphinae only; adults consume flower nectar and pollen	Х																		
Long-legged Flies, Condylostylus	Mites, thrips	Х	Χ							Χ			Х						Χ	
Tachinid Flies	Parasitic, females lay eggs on or in host		Χ	Χ		Χ			Χ						Х					
Soldier Beetles, Chauliognathus	Larvae search for prey in leaf litter, on plants, and in the soil	Х	Χ	Χ			Х									Χ	Χ		Χ	
Ground Beetles, Harpalus, Poecilus	Eggs laid in soil, both adults and larvae are nocturnal predators	Х	Χ		Χ			Χ	Χ							Χ	Χ			
Plant Bugs, Plagiognathus	Eggs laid in new growth of shrubs, nymphs and adults predatory	Х											Х							
Assassin Bugs, Zelus	Both adults and nymphs are predatory	Х		Χ				Χ		Χ			Х							
Damsel Bugs, <i>Nabis</i>	Colorado potato beetle larvae	Х	Χ	Χ				Χ		Χ			Х						Χ	
Spined Soldier Bug, <i>Podisus</i>	European corn borer, fall armyworm, beet armyworm, cabbage looper, corn earworm, Colorado potato beetle, Mexican bean beetle		Χ	Χ																
Braconid Wasps	European corn borer, armyworms, hornworms, corn rootworm	Х		Χ																
Potter and Mason Wasps	Most nest in cavities aboveground and hunt a variety of caterpillars		Χ	Χ																
Yellowjackets, Vespula, Dolichovespula	Pear psylla, fall webworm		Χ	Χ				Χ		Χ				Χ						
Paper Wasps, Polistes	Cabbage looper, hornworms, fall armyworm		Χ	Χ																
Scoliid and Thynnid Wasps	White grubs (scarab beetle larvae)		Χ																	
Jumping, Wolf, Orbweaver Spiders	Cucumber beetles, flea beetles	Х	Χ	Χ			Χ			Χ	Χ									

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## BENEFICIAL INSECTS FOR FRUIT AND VEGETABLE GROWERS

