

Natural Enemies on Vegetables

Predatory insects like lady beetles, true bugs, and lacewings, are common in most agricultural and garden habitats in July. As beneficial nspects, their presence signifies natural biological controls are occurring. Look for them on all types of garden vegetables and flowers.

Several natural enemies feed on common vegetable pests. The lady beetle (adult and larvae) prey on cabb. ge aphids, mites, small insects and insect eggs. Lacewings prefer aphids, insect

and small larvae eggs Lacewings also feed on nectar as aphid honeydew.

Gardeners can reduce injury to beneficial insects by (1) avoiding the use of insecticides (2) by selectively using insecticides that are less harmful to beneficial insects and (3) planting a variety of vegetable crops. Practicing all three things creates a more favorable habitat for beneficial insects to remain in the garden permanently. Moisture and an adequate pest population helps too

Green lacewings are generalists but have a particular liking to aphids. You'll find these pale green insects on sweet corn, potato, cole crops, tomato, peppers, eggplant, asparagus, and Developing leafy greens.

Lancaster Farming, Saturday, July 18, 1998-B3

lacewings larvae eat up to 600 rather than broadcasting them aphids each throughout the

summer Lady Beetles feed on aphids and other insects on potatoes, peas, sweet corn, cole crops, and tomato. Over 450 species are found in North America. The convergent lady beetle is onequarter inch long with orange wings covers and six small spots on each wing. The number of spots can vary. Some adults have no spots on their wing covers

Lady beetle larvae are dark, alligator-like insects with three pair of prominent legs. They are easily mistaken for a pest on vegetables. Releasing large numbers may minimize aphid damage on crops. Handle the beetles carefully and distribute them at the base of the plant over the top of the crop. Females of the convergent lady beetle lay clusters of 10-20 yellowish-orange eggs on plants infested with aphids. Lady beetles prefer high humidity days and shelter for protection from adverse weather. They overwinter and hibernate as adults You'll see them at the base of trees or along buildings Overwintering adults should not be disturbed. They are vulnera-

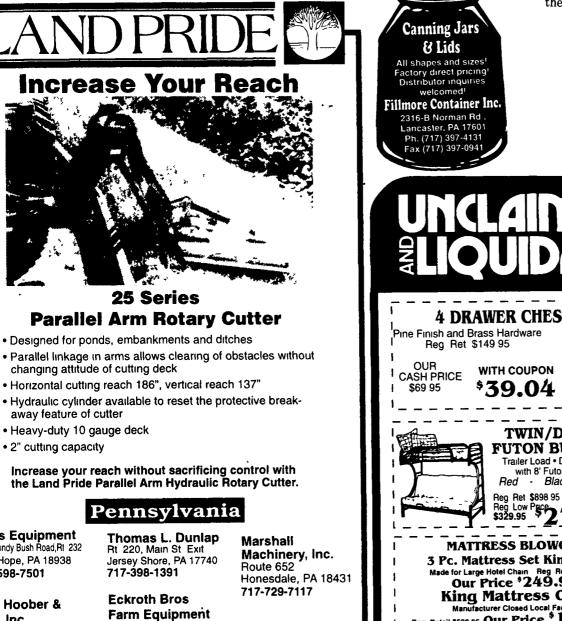
Lady beetles and other beneficial insects and nematodes are available at insectaries. Many insects require a special diet to prevent them from migrating our of your garden Keep them well fed all summer long.

ble to attack by other predators

and parasitodes.

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