

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

Historical Materials from University of
Nebraska-Lincoln Extension

Extension

1974

G74-93 Dry Bean, Sugarbeet Insect Control (Revised October 1980)

Arthur F. Hagen

University of Nebraska - Lincoln

Follow this and additional works at: <https://digitalcommons.unl.edu/extensionhist>



Part of the [Agriculture Commons](#), and the [Curriculum and Instruction Commons](#)

Hagen, Arthur F., "G74-93 Dry Bean, Sugarbeet Insect Control (Revised October 1980)" (1974). *Historical Materials from University of Nebraska-Lincoln Extension*. 1660.

<https://digitalcommons.unl.edu/extensionhist/1660>

This Article is brought to you for free and open access by the Extension at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Historical Materials from University of Nebraska-Lincoln Extension by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.



G74-93

(Revised October 1980)

Dry Bean, Sugarbeet Insect Control

Arthur F. Hagen, District Extension Specialist (Entomology)

The success and usefulness of the control measures mentioned in this guide will vary due to methods of application, climatic conditions, and other factors. These recommendations are presented for the benefit of Nebraska farmers.

Insecticides should be used with caution. Labels should be of recent date. The user should be certain that the correct material is being used and that the correct amount is applied. IT IS VERY IMPORTANT THAT LABELS BE UNDERSTOOD BEFORE USING ANY INSECTICIDE.

PARATHION, DISULFOTAN (DISYSTON), DEMETON (SYSTOX) AND AZINPHOSMETHYL (GUTHION) ARE HIGHLY TOXIC MATERIALS

AND SHOULD NOT BE USED BY FARMERS AS LIQUID CONCENTRATES. THEY MAY BE APPLIED BY TRAINED OPERATORS WITH ADEQUATE EXPERIENCE.

All materials must be used so that drift does not contaminate adjacent forage crops.

Information in this guide is based on University of Nebraska research results, USDA recommendations, and label registrations. Refer to picture sheet 6, EC 69-1521.

The information presented herein is supplied with the understanding that no discrimination is intended, nor endorsement implied by the Nebraska Cooperative Extension Service.

Table 1. Control recommendations for sugarbeets. Insecticides marked with Ⓢ are currently on the restricted use list.

INSECT	INSECTICIDE	AMOUNT ACTIVE INGREDIENT PER ACRE (HA)	RESTRICTIONS AND DAYS INTERVAL BETWEEN APPLICATION AND HARVEST
Aphids	malathion 57% EC	1.0 lb (1.1 kg)	3 days if tops to be used for feed.
	Ⓢ Parathion 46% EC	0.5 lb (0.6 kg)	15 days. <i>Application by trained operators only.</i>
Flea beetle adults	Ⓢ Parathion 46% EC	0.5 lb (0.6 kg)	15 days. <i>Application by trained operators only.</i>
Leafhoppers	Diazinon 50W; Ag 500	8 oz. (224 g)	
	Ⓢ Disulfoton LC	1.0 lb. (1.1 kg)	30 days.
	Metasystox-R SC	12 oz. (336 g)	30 days.
	carbaryl (Sevin)	1.5 lb. (1.7 kg)	14 days.

Table 1. continued

INSECT	INSECTICIDE	AMOUNT ACTIVE INGREDIENT PER ACRE (HA)	RESTRICTIONS AND DAYS INTERVAL BETWEEN APPLICATION AND HARVEST
	Dibrom	1.0 lb. (1.1 kg)	5 days.
Webworms	Dylox 80SP, 4 LS	1.5 lb. (1.7 kg)	14 days. Treat if populations average 2 to 3 worms per plant first generation, or 5 to 7 per plant second generation.
	carbaryl 80% WP (Sevin)	1.5 lb. (1.7 kg)	14 days.
	④ Parathion 46% EC	0.5 lb. (0.6 kg)	15 days. <i>Application by trained operators only.</i>
	④ Methomyl (Lannate; Nudrin)	0.5 lb. (0.6 kg)	7 days. 30 days before grazing tops.
Soil insects	Diazinon 14% G	3.0 lb. (3.3 kg)	Broadcast on soil and immediately work into the upper 6 inches (15 cm), 1 week before planting in fields that have had problems.
	Diazinon AG 500	3.0 lb. (3.3 kg)	
	phorate 10% G (Thimet)	1.0 lb. (1.1 kg)	Apply in a band close to seed row, BUT NOT IN CONTACT WITH SEED at planting time.
Beet root maggot	(not known to occur in Nebraska) phorate 15G	*6 oz./1000 ft. (168 g/300 m) row	Same as for aphid control (planting).
	Diazinon 14G (planting)	*8 oz./1000 ft. (224 g/300 m) row	Apply ahead of press wheel in a 5 to 7 inch (13 to 18 cm) band. Do not apply in direct contact with seed.
	(postemergence)	*6 oz./1000 ft. (168 g/300 m) row	Apply in 5 to 7 inch (13 to 18 cm) band over row.
	Dasanit 15G	*8 oz./1000 ft. (224 g/300 m) row	Apply in 4 to 6 inch (10 to 15 cm) band 1 inch (2.54 cm) above seed. Do not apply in direct contact with the seed. On extremely narrow row spacings, do not place treated zones closer together than 6 inches (15 cm).
Grasshoppers	malathion 57% EC	1.5 lb. (1.7 kg)	3 days.
	malathion ULV 95% T	8 oz. (224 g)	7 days.
	Diazinon AG 500	8 oz. (225 g)	
	carbaryl (Sevin)	1.5 lb. (1.7 kg)	14 days.
	④ Parathion	8 oz. (224 g)	15 days.

Consult County Agent for emergency clearance of other chemicals

Table 1. continued

INSECT	INSECTICIDE	AMOUNT ACTIVE INGREDIENT PER ACRE (HA)	RESTRICTIONS AND DAYS INTERVAL BETWEEN APPLICATION AND HARVEST
Armyworms	carbaryl (Sevin)	1.5 lb. (1.7 kg)	14 days.
	carbaryl 5% Bait	2.0 lb. (2.2 kg)	14 days.
	Ⓢ Parathion	8 oz. (224 g)	15 days.
Beet Army- worm & Variegated Cutworm	Trichlorfon (Dylox)	1.0 lb. (1.1 kg)	14 days.
	Ⓢ Methomyl (Lannate)	0.5 lb. (0.6 kg)	7 days. 30 days before grazing tops.

*Recommendations listed in oz./1000 ft. (g/300 m) row are ounces (g) of the formulation.

Table 2. Control recommendations for dry beans. Insecticides marked with Ⓢ are currently on the restricted use list.

INSECT	INSECTICIDE	AMOUNT ACTIVE INGREDIENT PER ACRE (HA)	RESTRICTIONS AND DAYS INTERVAL BETWEEN APPLICATION AND HARVEST
Aphids	malathion 57% EC	1.0 lb. (1.1 kg)	1 day.
	Diazinon Ag. 500	0.5 lb. (0.6 kg)	7 days.
	naled 60% EC (Dibrom)	1.0 lb. (1.1 kg)	4 days.
	Ⓢ Parathion 46% EC	0.5 lb. (0.6 kg)	15 days. <i>Application only by trained operators only.</i>
Leafhoppers	carbaryl 80% WP (Sevin)	2.0 lb. (2.2 kg)	No restrictions.
	malathion 57% EC	1.0 lb. (1.1 kg)	1 day.
Mexican bean beetle	PREPLANT—Treat if beetles were a problem the previous season.		
	disulfoton 15G (Di-Syston)	1.0 lb(1.1 kg) 6 oz./1000 ft. (168 g/300 m) row*	60 days. Band (lightly incorporated) or sidedress. Avoid seed contact.
	Ⓢ Di-Syston LC	1.0 lb. (1.1 kg)	60 days. 6 inches to 8 inches (15 to 20 cm) band and lightly incorporate. Avoid seed contact. <i>Commercial application only.</i>
	phorate 10% G (Thimet)	1.0 lb. (1.1 kg)	60 days. Minimum 30 inch (76 cm) row spacing.
	FOLIAR—Treat if egg masses on underside of leaves average 1 or more per 6 plants.		
	carbaryl 80% SP (Sevin)	0.5 lb. (0.6 kg)	No restrictions.

Table 2. continued

INSECT	INSECTICIDE	AMOUNT ACTIVE INGREDIENT PER ACRE (HA)	RESTRICTIONS AND DAYS INTERVAL BETWEEN APPLICATION AND HARVEST
	● Methomyl (Lannate; Nudrin)	0.5 lb. (0.6 kg)	25 days.
	Dylox 80% SP	1.0 lb. (1.1 kg)	14 days.
	Dylox 4 LS	1.0 lb. (1.1 kg)	14 days.
	malathion 57% EC	0.5 lb. (0.6 kg)	1 day.
	Malathion ULV 95% T	0.5 lb. (0.6 kg)	1 day.
	azinphosmethyl 2S (Guthion)	0.5 lb. (0.6 kg)	30 days. <i>Commercial application only.</i>
Western bean cutworm	carbaryl 80% WP (Sevin)	1.0 lb. (1.1 kg)	No restrictions.

*Recommendations listed in oz/1000 ft (g/300 m) row are ounces (g) of the formulation.

The Cooperative Extension Service provides information
and educational programs to all people without regard
to race, color or national origin.

Extension work in "Agriculture, Home Economics and Subjects relating thereto,"
The Cooperative Extension Service, Institute of Agriculture and Natural
Resources, University of Nebraska-Lincoln, Cooperating with the
Counties and the U.S. Department of Agriculture
Leo E. Lucas, Director