

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

Historical Materials from University of Nebraska-
Lincoln Extension

Extension

1966

EC66-1504 Insect Control Guide for Small Grains, Field Beans, Soybeans, Sugar Beets in Nebraska

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

"EC66-1504 Insect Control Guide for Small Grains, Field Beans, Soybeans, Sugar Beets in Nebraska" (1966). *Historical Materials from University of Nebraska-Lincoln Extension*. 3807.

<http://digitalcommons.unl.edu/extensionhist/3807>

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.

E.C. 66-1504
AGRI
S
85
E7
#66-1504
C. Z

E.C. 66-1504

STUDY THE LABEL

STUDY THE LABEL

INSECT CONTROL GUIDE FOR
SMALL GRAINS, FIELD BEANS, SOYBEANS, SUGAR BEETS

NEBRASKA

Compiled by Extension Entomologists

RECEIVED
MAY 23 1966
COLLEGE OF AGRICULTURE
LIBRARY

Information in this guide is based on University of Nebraska research results, U.S.D.A. recommendations, and label registrations. Control results will vary due to methods of application, climatic conditions, and other factors. The suggestions are designed to benefit Nebraska farmers when control programs are needed.

In some instances trade names have been used. No endorsement is implied by the Nebraska Cooperative Extension Service and no discrimination is intended.

All insecticides must be used with caution. Labels should be of recent date and studied until the user is certain that the material is approved for the use intended, and that amounts used are correct. IT IS VERY IMPORTANT THAT LABELS BE UNDERSTOOD BEFORE USING ANY INSECTICIDE.

PARATHION, ENDRIN, SYSTOX, TRITHION AND PHOSPHAMIDON 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. The chlorinated hydrocarbon insecticides have a longer residual period, and must be used with every precaution to prevent contamination of crops to be used for livestock feed, especially for dairy cattle. The chlorinated hydrocarbon insecticides in this circular are: ENDRIN, TOXAPHENE, AND METHOXYCHLOR. (Aldrin, dieldrin, lindane, and heptachlor are approved only for seed treatment, not for foliage or soil use).

EXTENSION SERVICE, UNIVERSITY OF NEBRASKA
COLLEGE OF AGRICULTURE AND HOME ECONOMICS AND
U. S. DEPARTMENT OF AGRICULTURE COOPERATING
E. F. FROLIK, DEAN J. L. ADAMS, DIRECTOR

SMALL GRAIN INSECTS

INSECT	INSECTICIDE	AMOUNT PER ACRE	DAYS TO ELAPSE BEFORE HARVEST AND OTHER RESTRICTIONS
Pale western and Army cutworms	Endrin 19.5% EC	1 pint	45 days. Single application. Do not graze treated fields. To be applied by trained operators.
Armyworms	Sevin 80% WP	1 1/4 pound	Do not apply after boot stage.
	Toxaphene 60% EC	2 pints	7 days. Do not use stubble or straw for feed, pasture, or bedding. Apply only one time.
	Parathion 46% EC	1/2 pint	15 days. To be applied by trained operators only.
Grasshoppers	Malathion 57% EC	1 1/2 pint	7 days.
	Sevin 80% WP	2 pounds	Do not apply after boot stage.
	Toxaphene 60% EC	2 pints	Same as for armyworms.
Brown wheat mites	Parathion 46% EC	1/2 pint	15 days. To be applied by trained operators. Usually not feasible to control.
Greenbugs	Parathion 46% EC	1/2 pint	15 days. To be applied only by trained operators.
	Methyl parathion 46%	1/2 pint	Same as parathion
	Phosphamidon 49% EC	1 pint	30 days. To be applied only by trained operators.
Chinch bugs	Parathion 46% EC	1/2 pint	Same as for greenbugs.
Wireworms, False wireworms	Seed treatment with aldrin, dieldrin, heptachlor or lindane		Follow manufacturers directions carefully.
Hessian flies	Thimet and Di-Syston are registered for control of Hessian flies as a time of planting treatment. The economics and effectiveness in Nebraska is not certain. Plant after fly-safe date. Destroy volunteer wheat in summer. Plow down stubble after harvest. PLANT RESISTANT VARIETIES.		

SOYBEAN INSECTS

INSECT	INSECTICIDE	AMOUNT PER ACRE	DAYS TO ELAPSE BEFORE HARVEST AND OTHER RESTRICTIONS
Green cloverworms	Sevin 80% WP	1 1/2 pound	No restrictions.
Bean leaf beetles	Sevin 80% WP	1 1/2 pound	No restrictions.
Mexican bean beetles	Sevin 80% WP	1 1/2 pound	No restrictions.
	Malathion 57% EC	1 1/2 pints	1 day.
	Methoxychlor 50% WP	3 pounds	7 days.

FIELD BEANS

Aphids	Malathion 57% EC	2 pints	1 day.
	Diazinon Ag. 500	1 pint	7 days.
	Dibrom 60% EC	1 pint	4 days.
	Parathion 46% EC	1 pint	15 days. Parathion to be applied only by trained operators.
Leafhoppers	Sevin 80% WP	2 pounds	No restrictions.
	Malathion 57% EC	2 pints	1 day.
Mexican bean beetles	Same as for soybeans		
Western bean cutworm	Sevin 80% WP	1 1/4 pound	No restriction.
			Refer to EC 66-1508
Spider mites	Trithion 45% EC	3/4 quart	21 days (7 days if plants are not to be used for feed). Apply Trithion not more than 2 times per season. To be applied by trained operators.
	Systox 2 pounds per gallon EC	1 pint	21 days. Systox to be applied by trained operators only.

SUGAR BEETS

Aphids	Malathion 57% EC	2 pints	7 days if tops to be used for feed.
--------	------------------	---------	-------------------------------------

SUGAR BEETS CON'T

INSECT	INSECTICIDE	AMOUNT PER ACRE	DAYS TO ELAPSE BEFORE HARVEST AND OTHER RESTRICTIONS
	Parathion 46% EC	1 pint	15 days. To be applied by trained operators only.
Flea beetle adults	Sevin 80% WP	2 pounds	14 days.
	Parathion 46% EC	1 pint	15 days. To be applied by trained operators only.
Leafhoppers	Same as for flea beetles		
Spider mites	Trithion 45% EC	1 pint	14 days. To be applied by trained operators only.
Webworms	Dylox 50% SP	3 pounds	28 days. 14 days if tops not to be fed to livestock.
	Sevin 80% WP	2 pounds	14 days.
	Parathion 46% EC	1 pint	15 days. To be applied by trained operators only.
	Phosphamidon 49% EC	2 pints	30 days. To be applied by trained operators only.
Soil insects	Diazinon 14% G	21 pounds	Broadcast on soil and immediately work into the upper 6 inches, 1 week before planting in fields that have had problems. PARATHION granules must be used with extreme caution and ALL PERSONS AND ANIMALS KEPT OFF FIELDS FOR 48 HOURS.
	Parathion 10% G	40 Pounds	
	Thimet 10% G	10 pounds	Apply as band close to seed row, BUT NOT IN CONTACT WITH SEED at planting time. Use Thimet or Di-Syston only in WESTERN NEBRASKA.
	Di-Syston 10% G	10 pounds	
	Trithion 10% G	10 pounds	Apply in the frill row at seeding time just above seed. Use Trithion in EASTERN NEBRASKA.