University of Nebraska - Lincoln
DigitalCommons@University of Nebraska - Lincoln

Historical Publications in Weed Science and Weed Technology

Agronomy and Horticulture Department

3-25-1988

INSECT, PLANT DISEASE, & WEED SCIENCE NEWS [No. 88-2] [March 25, 1988]

Bob N. Stougarrd
Extension Weed Specialist, University of Nebraska-Lincoln

Alex Martin
University of Nebraska - Lincoln, amartin2@unl.edu

Follow this and additional works at: http://digitalcommons.unl.edu/weedscihist

Stougarrd, Bob N. and Martin, Alex, "INSECT, PLANT DISEASE, & WEED SCIENCE NEWS [No. 88-2] [March 25, 1988]" (1988). *Historical Publications in Weed Science and Weed Technology.* Paper 26.
http://digitalcommons.unl.edu/weedscihist/26

This Article is brought to you for free and open access by the Agronomy and Horticulture Department at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Historical Publications in Weed Science and Weed Technology by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

COOPERATIVE EXTENSION SERVICE
INSTITUTE OF AGRICULTURE AND NATURAL RESOURCES

INSECT PLANT DISEASE WEED SCIENCE NEWS

DEPARTMENT OF AGRONOMY (WEED SCIENCE) UNIVERSITY OF NEBRASKA-LINCOLN,
EAST CAMPUS 68583-0915 PHONE 472-1527 or 472-1544

Number 88-2
March 25, 1988

In This Issue:
- **1988 Weed Science Tour**
- **Early Weeds In Winter Wheat**
- **Combination Herbicides--What's In A Name?**

1988 Weed Science Tour

The 1988 Weed Tour has been set for the week of June 20th. This year the Tour will begin in western Nebraska on Monday, June 20th and proceed eastward. A detailed itinerary will be published in April.

Early Weeds In Winter Wheat

We're at it again -- early weed control in winter wheat. The calls are many and the plants are plentiful. Check winter wheat fields now for the presence of pennycress, other mustards, and kochia. If present, control measures should be taken soon.

Blue mustard should have been treated by now for best results. Daytime temperatures of 50° F or higher are desirable but not absolutely necessary. Treat with 1 pint of 2,4-D amine or 1/2 to 3/4 pint of 2,4-D ester. Rates are based on 3.8 to 4.0 lbs active ingredient per gallon. Wild buckwheat and smartweed require more than 2,4-D. Use Banvel at 1/4 pint plus 2,4-D amine at 3/4 pint. Buctril at 1 to 1.5 pints + 0.5 pint 2,4-D is also an excellent treatment.

Glean provides excellent control of most common broadleaf weeds. It works both postemergence and preemergence. When used postemergence, weeds should be less than 2" tall and the rosettes 2" or less in diameter. Do not use on soils with a pH of 7.5 or higher. Labelled rates are 1/6 to 1/2 ounce of product per acre. There are rotation limitations with Glean and it should only be used in a wheat-fallow rotation.

Ally + 2,4-D is recommended as a mid-to-late spring treatment for broadleaf weed control in wheat. Ally has greater postemergence activity than Glean, but provides residual weed control for only 4-6 weeks. Ally should be used primarily in a wheat-fallow system, but does allow rotation to grain sorghum within 10 months of application. Recommended use rates for this combination are Ally at 1/10 oz/acre + 2,4-D low-volatile ester at 4 oz/acre. Add a surfactant at 1 qt/100 gal of spray solution. This treatment costs about $3.00 per acre.

UNIVERSITY OF NEBRASKA-LINCOLN, COOPERATING WITH THE COUNTIES AND THE U.S. DEPARTMENT OF AGRICULTURE
The Cooperative Extension Service provides information and educational programs to all people without regard to race, color, national origin, sex or handicap.

Combination Herbicides--What's In A Name?

1988 finds many prepackaged herbicide combinations on the market. Evaluating weed control performance, crop safety, and carryover potential of combinations compared with tank mixtures is dependent on the amount of each component in the combination. Sometimes it is difficult to tell how much atrazine is contained in 3 qt of Bicep or 3 qt of Extrazine. The following table lists the equivalent amount of each component contained in a gallon or pound of some combination products. The totals don't always add up to 1 gallon or 1 pound of herbicide because the combination products may be more or less concentrated than the individual herbicides.

Trade Name	Equivalent Amount of Each Component Contained in 1 gal or lb of Product	Manufacturer
Betamix	4 qt Betanal + 4 qt Betanex	Nor-Am
Bicep 6E	3.3 pt Dual + 5.3 pt atrazine	Ciba-Geigy
Brominal 3+3	3 qt Brominal + 3 qt MCPA	Rhone-Poulenc
Bronate	2 qt Buctril + 2 qt MCPA	Rhone-Poulenc
Bronco	2.6 qt Lasso + 1.4 qt Roundup	Monsanto
Buctril + atrazine	2.0 qt Buctril + 2.0 qt atrazine 4L	Rhone-Poulenc
Canopy	0.86 lb Lexone DF + 0.43 lb Classic	DuPont
Commence	3.0 qt Treflan + 4.5 pt Command	Elanco/FMC
Conquest	3 qt Bladex + 1.0 qt atrazine	DuPont
Crossbow	1 qt Garlon + 2 qt 2,4-D	Dow
Extrazine	2.67 qt Bladex + 1.33 qt atrazine	DuPont
Fallow Master	1.5 qt Roundup + 0.6 qt Banvel	Monsanto
Galaxy	3.0 qt Basagran + 1.3 qt Blazer	BASF
Gemini	1.1 lb Lorox DF + 0.18 lb Classic	DuPont
Laddok	1.66 qt Basagran + 1.66 qt atrazine	BASF
Landmaster BW	1.2 qt Roundup + 1.9 qt 2,4-D	Monsanto
Landmaster II	1.2 qt Roundup + 1.0 qt 2,4-D amine	Monsanto
Lariat	2.5 qt Lasso + 1.5 qt atrazine	Monsanto
Lasso + atrazine	2.5 qt Lasso + 1.5 qt atrazine	Monsanto
Lorox Plus	1.1 lb Lorox DF + 0.12 lb Classic	DuPont
Marksman	1.1 qt Banvel + 2.1 qt atrazine	Sandoz
Matrix	0.67 lb Harmony + 0.33 lb Express	DuPont
Milocep	3.33 pt Milogard + 3.3 pt Dual	Ciba-Geigy
Preview	0.90 lb Lexone DF + 0.27 lb Classic	DuPont
Prozine	0.35 qt Prowl + 0.35 qt atrazine	Am. Cyanamid
Ramrod & atrazine	3 qt Ramrod + 1 qt atrazine	Monsanto
Rescue	4 qt Alanap-L + 4 oz 2,4-D	Uniroyal
Rhino	5.1 pt Sutan+ + 2.4 pt atrazine	PPG
Salute	2.7 qt trifluralin + 1.3 qt Sencor	Mobay
Squadron	2.0 qt Prowl + 1.75 pt Scepter	Am. Cyanamid
Sutazine	5.7 pt Sutan+ + 2.4 pt atrazine	ICI Americas
Tordon 212	2 qt Tordon 22K + 2 qt 2,4-D	Dow
Trimec Super Brush Killer	4 parts 2,4-D + 4 parts 2,4-DP + 1 part Banvel	PBI-Gordon
Trimec Turf Herbicide	2,4-D, MCPP, Dicamba in 9:3:1 ratio	PBI-Gordon
Tri-Scept	2.6 qt trifluralin + 2.3 pt Scepter	Am. Cyanamid
Turbo	6.6 pt Dual + 1.45 qt Sencor	Mobay
Turflon D	2.0 qt 2,4-D ester + 1 qt Garlon D	Dow

Bob Stougaard
Bob Stougaard
Extension Weed Specialist

Alex Martin
Alex R. Martin
Extension Weed Specialist