

1983 BROADLEAF WEED CONTROL STUDY

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A study was begun on June 20th to evaluate herbicides for control of broadleaf weeds (Table 15). A product which is receiving more attention recently is Garlon (chemical name - triclopyr). Garlon is primarily used to control woody plants and broadleaf weeds on non-crop areas such as railroads, forests and rights-of-way. When combined with 2,4-D, Garlon has shown increased effectiveness and more activity against the harder to control broadleaf weeds.

Several rates of Garlon were tested with 2,4-D alone and in combination with MCPP. An experimental formulation of trimec plus garlon was also tested. Broadleaf weed control with Trimec, Trimec plus Garlon, and Garlon + 2,4-D + MCPP (1.0 + 1.0 + 0.5 lbs/A, respectively) all gave excellent broadleaf control. Three formulations of 2,4-D from Kalo Ag Chem provided acceptable to good control of broadleaf weeds. Two experimental formulations from American Hoecsht showed practically no effect on broadleaves.

Table 15. 1983 broadleaf study

Date Begun: 6-20-83

Date Evaluated: 7-21-83

Broadleaf Density: 1 to 9 (1 = No Broadleaf Cover)

Relative Rank	Treatment Name	Lowest Rating Indicates Least Amount of Broadleaf
1	Garlon + 2,4-D + MCPP 1.0 + 1.0 + .5 lbs/a	1.0 a
2	Trimec 0.6 gal/a	1.0 a
3	EH 533 4 pts/a	1.0 a
4	Garlon + 2,4-D 0.38 lb/a + .75 lb/a	1.7 a
5	Garlon + 2,4-D .25 lb/a + 1.0 lb/a	2.0 a
6	Garlon + 2,4-D + MCPP .5 + .5 + 125 lbs/a	2.0 a
7	KIH 843-06-83 1.43 lb/a	2.3 a
8	KIH 844-06-83 1.43 lb/a	2.8 ab
9	Garlon + 2,4-D .125 lb/a + 1.0 lb/a	3.0 ab
10	2,4-D + MCPP 1 lb/a + 0.5 lb/a	3.0 ab
11	Garlon + 2,4-D 0.25 lb/a + 0.5 lb/a	3.2 ab
12	Demise 1.43 lb/a	3.3 ab
13	2,4-D 1 lb/a	3.3 ab
14	Hoe 33171 0.18 lb/a	4.8 bc
15	Hoe 33171 0.12 lb/a	5.8 cd
16	Check	6.2 cd
17	Check	6.5 cd
18	Check	7.0 c
19	Hoe 35609 0.75 lb/a	7.3 d
20	Hoe 35609 0.375 lb/a	8.0 d

% = 1 S.E. = 7 F = 10.81

Treatments having the same letter are not significantly different. Means separation by Duncan's Multiple Range Test (5%). Standard error = .7.