



**AGRICULTURAL CHEMICALS**  
**FACT SHEET No. 6—Revised 1979**  
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**Chemicals for Weed Control in Corn**

This fact sheet is intended only as a summary of suggested alternative chemicals for weed control in corn. Label information should be read and followed exactly. For further information, see Extension Bulletin 400, Cultural and Chemical Weed Control in Field Crops.

Selection of an effective chemical or combination of chemicals should be based on consideration of the following factors:

- Clearance status of the chemical
- Use of the crop
- Potential for soil residues that may affect following crops
- Kinds of weeds
- Soil texture
- pH of soil
- Amount of organic matter in the soil
- Formulation of the chemical
- Application equipment available
- Potential for drift problems

**Herbicide names and formulations**

Common name	Trade name	Concentration and commercial formulation <sup>1</sup>
Alachlor	Lasso	4 lb/gal L
	Lasso II	15% G
Atrazine	AAtrex, others	80% WP, 4 lb/gal L 90% WDG
Atrazine and propachlor	AAtram	20% G
Bentazon	Basagran	4 lb/gal L
Butylate and protectant	Sutan+	6.7 lb/gal L
Cyanazine	Bladex	80% WP, 15% G, 4 lb/gal L
Dicamba	Banvel	4 lb/gal L
Dicamba and 2,4-D	Banvel-K	1.25 lb/gal dicamba 2.50 lb/gal 2,4-D
EPTC and protectant	Eradicane	6.7 lb/gal L
Linuron	Lorox	50% WP
Metolachlor	Dual	6 or 8 lb/gal L
Pendimethalin	Prowl	4 lb/gal L
Propachlor	Bexton, Ramrod	65% WP, 20% G, 4 lb/gal L
2,4-D	several	various

<sup>1</sup>G = Granular, L = Liquid, WP = Wettable Powder, WDG = Water Dispersible Granule

**Effectiveness of herbicides on weeds in corn<sup>1</sup>**

	Preplanting						Preemergence							Postemergence					
	Alachlor (Lasso)	Metolachlor (Dual)	Butylate (Sutan+)	EPTC (Eradicane)	Cyanazine (Bladex)	Atrazine (AAtrex, others)	Alachlor (Lasso)	Atrazine (AAtrex, others)	Dicamba (Banvel)	Metolachlor (Dual)	Pendimethalin (Prowl)	Propachlor (Ramrod, Bexton)	Linuron (Lorox)	Cyanazine (Bladex)	2,4-D	Dicamba (Banvel)	Atrazine and oil	Cyanazine (Bladex)	Bentazon (Basagran)
<i>Corn tolerance—</i>	G	G	G	G	F	G	G	G	F	G	F	G	F	F	F	G	G	F	G
<i>Grasses—</i>																			
Giant & robust foxtail	G	G	G	G	F	F	G	F	P	G	F	G	F	F	N	N	F	F	N
Green foxtail	G	G	G	G	G	G	G	G	P	G	F	G	F	G	N	N	G	G	N
Yellow foxtail	G	G	G	G	G	G	G	G	P	G	F	G	F	G	N	N	G	G	N
Barnyardgrass	F	G	G	G	F	F	F	F	P	G	F	F	F	F	N	N	F	F	N
Crabgrass	G	G	G	G	F	P	G	P	P	G	F	G	F	F	N	N	P	F	N
Panicum	G	G	G	G	F	P	G	P	P	G	F	G	F	F	N	N	P	F	N
Nutsedge	G	G	G	G	P	P	F	P	N	F	N	P	P	N	N	N	F	P	G
Quackgrass	N	N	N	F	P	G	N	G	N	N	N	N	P	N	N	N	G	P	N
Woolly cupgrass	G	G	F	G	P	P	G	P	G	F	F	P	P	N	N	N	F	F	N
Wild proso millet	F	F	F	G	P	P	G	P	P	F	F	P	P	N	N	N	P	P	N
Wild oat	P	P	F	F	F	G	P	G	N	P	F	P	G	F	N	N	G	F	N
<i>Broadleaves—</i>																			
Buffalo bur	P	P	F	G	P	P	P	P	P	P	P	P	P	P	P	P	G	F	P
Cocklebur	N	N	P	P	F	F	N	F	F	N	P	P	F	F	G	G	G	F	G
Kochia	P	P	P	F	G	G	P	G	F	P	F	P	F	G	F	G	G	G	—
Lambsquarters	F	P	P	F	G	G	F	G	G	P	F	P	G	G	G	G	G	G	P
Mustard	P	P	P	F	G	G	P	G	G	P	P	P	G	G	G	F	G	G	G
Pigweed	G	G	F	F	F	G	G	G	G	G	F	F	G	F	G	G	G	F	P
Ragweed	P	P	P	F	G	G	P	G	G	P	P	P	G	G	G	G	G	G	G
Smartweed	P	P	P	F	G	G	P	G	G	P	F	P	F	F	P	G	G	G	G
Velvetleaf	P	P	F	F	F	F	P	F	F	P	F	P	F	G	G	G	F	F	G
Wild sunflower	P	P	P	P	F	F	P	F	F	P	P	P	F	F	F	G	G	F	G
Canada thistle	N	N	N	N	P	P	N	P	N	N	N	N	P	P	F	G	F	P	F
Jerusalem artichoke	N	N	N	N	P	P	N	P	P	N	N	N	P	P	G	G	P	P	P

<sup>1</sup>G = Good, F = Fair, P = Poor, N = None

**Suggestions for chemical control of weeds in corn**

Method of application Chemical-common name (Trade name <sup>1</sup> )	Rate—lb/A of active ingredient or acid equivalent broadcast <sup>2</sup>	Remarks <sup>3</sup>
<b>Preplanting incorporated</b>		
Alachlor (Lasso)	4	Preplanting application of alachlor or metolachlor is suggested if nutsedge is a problem, but for annual grasses only, preemergence application is preferred. Incorporate butylate or EPTC immediately after application.
(Lasso II)	3.9	
Atrazine (AAtrex, others)	2 to 3	
Butylate (Sutan+)	4 to 6	
Cyanazine (Bladex)	2 to 4	
Metolachlor (Dual)	1½ to 3	
Atrazine + butylate	1 to 1½ + 3 to 4	
Atrazine + metolachlor	1 to 2 + 1¼ to 2½	
Cyanazine + alachlor	1 to 2.2 + 2 to 2½	
Atrazine + EPTC (Eradicane)	1 to 1½ + 3 to 4	
Cyanazine (Bladex) + butylate	1½ to 2 + 3 to 4	
Cyanazine + EPTC (Eradicane)	1½ to 2 + 3 to 4	
EPTC + protectant (Eradicane)	3 to 6	
<b>Preemergence</b>		
Alachlor (Lasso)	2 to 3½	Atrazine may carry over and affect crops the next year. Other chemicals do not carry over. Do not use pre-emergence applications of cyanazine, propachlor, dicamba, or linuron on sandy soils. Linuron is suggested for use only on soils between 1 and 4 percent in organic matter. Do not graze corn treated with metolachlor or use for silage.
(Lasso II)	2.4 to 3.9	
Atrazine (AAtrex, others)	1 to 3	
Cyanazine (Bladex)	2 to 4	
Metolachlor (Dual)	1½ to 3	
Propachlor (Ramrod, Bexton)	4 to 6	
Atrazine + alachlor	1 to 2 + 1½ to 2½	
Atrazine + metolachlor	1 to 2 + 1¼ to 2	
Atrazine + propachlor	1 to 1½ + 2 to 3¾	
Cyanazine + alachlor	1 to 2.2 + 2 to 2½	
Cyanazine + propachlor	1 to 1.8 + 2½ to 6	
Dicamba (Banvel) + alachlor	½ + 2 to 2½	
Linuron (Lorox) + alachlor	½ to 1½ + 1 to 3	
Linuron + propachlor	1 to 1½ + 2 to 3	
<b>Postemergence</b>		
Atrazine (AAtrex, others) + oil)	1.2 to 2	Apply when weeds are less than 1½ inches tall.
Bentazon (Basagran)	¾ to 1	Apply when weeds are 2 to 6 inches. Earlier application is more effective on most weeds.
Cyanazine (Bladex)	2	Apply when weeds are less than 1½ inches tall and before corn has more than 4 leaves.
Dicamba (Banvel)	1/8 to 1/4	Apply dicamba before corn is 2 feet tall and not within 15 days of tasseling. Follow drift control precautions on label.
Dicamba + 2,4-D amine	1/8 + 1/4	
2,4-D amine	1/4 to 1/2	Apply when corn is 4 inches to 3 feet tall. Use drop nozzles after corn is 8 inches tall. Earlier applications on small weeds are more effective.
2,4-D ester	1/6 to 1/3	
2,4-D amine	1/2 to 1	Apply after corn is 3 feet tall. Use drop nozzles so only base of stalk is sprayed. Do not apply between tasseling and dough stage of corn.
2,4-D ester	1/3 to 2/3	

<sup>1</sup>See table on herbicide names. Trade names are used to identify the herbicide discussed. Omission of other trade names of similar herbicides is unintentional. The inclusion of a trade name does not imply endorsement and exclusion does not imply nonapproval.

<sup>2</sup>These rates will need to be properly interpreted for the formulation you use and for band width and row width if the chemicals are not applied broadcast. See Agricultural Chemicals Fact Sheet No. 5, How to Calculate Herbicide Rates and Calibrate Herbicide Applicators. The proper rate depends on such things as soil characteristics, kinds of weeds, size of weeds and crop, temperature, and moisture conditions.

<sup>3</sup>Read labels for detailed use instructions and restrictions on crop use.

**DO NOT USE THIS FACT SHEET AFTER 1979**

