

SUGARCANE WEED CONTROL

Eric P. Prostko, Extension Agronomist – Weed Science

HERBICIDE	MOA	BROADCAST RATE/ACRE		REI/PHI (Hours or Days)	REMARKS AND PRECAUTIONS
		AMOUNT OF FORMULATION	LBS ACTIVE INGREDIENT		
PRE-EMERGENCE					
<i>pendimethalin</i> Prowl/Pendimax 3.3EC Prowl H ₂ O 3.8 ACS	3	77oz 67 oz	2	24 H/ 90 D	For annual grasses and small-seeded broadleaf weeds. Apply to loosened beds and incorporate into top 1-2” of soil within 7 days after application with rainfall, irrigation, or mechanical methods.
<i>trifluralin</i> Treflan, Trilin, others 4EC	3	32 oz	1	12 H/ –	For annual grasses and small-seeded broadleaf weeds. Apply in the fall on firmly packed beds immediately after planting or in the spring before and/or just after cane emerges. Incorporate 2-3” but be careful not to damage seed pieces or emerging shoots.
<i>atrazine</i> AAtrex, Atrazine 80W AAtrex Nine-O 90W AAtrex, Atrazine 4L	5	2.5 lb 2.2 lb 2 qt	2	12 H/ –	For broadleaf weeds. Apply at planting time or ratooning, but before sugarcane emerges. One additional application may be made over the top of the sugarcane as it emerges. Two additional directed spray applications may be made after emergence. Do not apply after canopy closure or more than 4 lb ai/A <i>atrazine</i> in 1 year.
POST-EMERGENCE					
<i>2,4-D</i> various brand names 3.8 lb/gal	4	32 oz	0.95	48 H/ Crop Maturity	For broadleaf weeds. Apply after cane emergence through lay-by. Only 1 POST application can be made per crop cycle.
<i>dicamba</i> Banvel/Clarity/Sterling/Vision 4 lb/gal Engenia 5SL Fexapan + VG 2.9SL	4	8-16 oz 6.4-12.8 oz 11-22 oz	0.25-0.5	24 H/ 87 D	<p>For annual and perennial broadleaf weeds. Can be applied any time after weed emergence but before the close-in stage of sugarcane. When possible, apply as a directed spray beneath the sugarcane canopy especially when used at higher rates.</p> <p>The newer formulations of <i>dicamba</i> require the use of nozzles/pressure that produce a specific droplet size: Engenia = extremely coarse to ultra coarse; Fexapan = very coarse to ultra coarse; Xtendimax = very coarse to ultra coarse. Dicamba should not be applied during temperature inversions. Newer <i>dicamba</i> formulations must be applied in 10-15 GPA (depending on formulation) and boom heights cannot exceed 24”. Refer to product labels/web-sites for additional application requirements.</p>

(Weed Response – Refer to weed response table for corn or soybeans.)

