

SESAME WEED CONTROL¹

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HERBICIDE	WSSA MOA	BROADCAST RATE/A		REI/PHI (HOURS/DAYS)	REMARKS AND PRECAUTIONS
		AMOUNT OF FORMULATION	LBS AI/A		
PREPLANT BURNDOWN					
<i>glyphosate</i> 5.88SL 5.5SL 4SL (numerous trade names/generics)	9	22 oz 23 oz 32 oz	1.0	4 H/ 7 D	For general burndown control of numerous annual/perennial broadleaf and grass weeds. Apply before, during, or after planting but not after ground crack/sesame emergence. Rain-free period = 4 hours.
<i>paraquat</i> Helmquat/Gramoxone 3SL (other generics)	22	32 oz	0.75	24 H/ —	For general burndown control of numerous annual broadleaf and grass weeds. Apply before, during, or after planting but not after ground crack/sesame emergence. Rain-free period = 30 minutes.
<i>pyraflufen-ethyl</i> ET 0.208EC ETX 0.335EC	14	0.5–2.0 oz 0.3–1.25 oz	0.0008–0.003	12 H/ —	Tank-mix with glyphosate or paraquat to improve the control of certain annual broadleaf weeds especially annual morningglory. Use with a COC (1% v/v or 1 gal/100 gal). Plant sesame at least 1 day after application. Rain-free period = 1 hour.
PREPLANT INCORPORATED					
<i>trifluralin</i> Treflan HFP 4EC	3	16–24 oz	0.50–0.75	12 H/ —	For residual control of annual grass and small seeded broadleaf weeds. Uniformly incorporate into top 2–3" of soil within 24 hours of application.
<i>ethalfluralin</i> Sonalan HFP 4EC	3	24 oz	0.75	24 H/ —	For residual control of annual grass and small seeded broadleaf weeds. Uniformly incorporate into top 2–3" of soil within 48 hours of application.
PREEMERGENCE					
<i>clomazone</i> Caravel 3ME	13	21.3 oz	0.5	12 H/ 90 D	Will provide residual control of certain annual grasses and broadleaf weeds (not Palmer amaranth or carpetweed). Apply after sesame seeding and prior to crop/weed emergence. Caravel can cause transient sesame injury in the form of bleaching. Rotational crop restrictions: cotton = anytime (with <i>phorate</i> or <i>disulfoton</i>); soybean/ tobacco = anytime; field corn/sorghum/peanut = 9 months; small grains = 12 months.
POSTEMERGENCE					
<i>clethodim</i> Select 2EC Select Max 0.97EC (other generics)	1	6–8 oz 9–16 oz	0.094–0.125 0.068–0.121	24 H/ 14 D	For the control of many annual and perennial grasses. Do not apply during sesame flowering. Do not apply more than 8 oz/A (Select) or 16 oz/A (Select Max) in a single application. Split applications can be made 14 days apart. Use a NIS (0.25% v/v or 1 qt/100 gals) with Select Max or COC (1% v/v or 1 gal/100 gals) with Select. Rain-free period = 1 hour.
<i>sethoxydim</i> Poast 1.5EC	1	16–24 oz	0.188–0.281	12 H/ 60 D	For the control of many annual and perennial grasses. Maximum single application rate = 40 oz/A. Maximum annual application rate = 80 oz/A. Use with a COC (1% v/v or 1 gal/100 gal). Rain-free period = 1 hour.

1. Refer to Soybean Weed Control Section for weed efficacy ratings. Minimal sesame weed control studies have been conducted by UGA weed scientists.

HERBICIDE	BROADCAST RATE/A			REI/PHI (HOURS/DAYS)	REMARKS AND PRECAUTIONS
	WSSA MOA	AMOUNT OF FORMULATION	LBS AI/A		
HARVEST AID					
<i>glyphosate</i> Roundup PowerMax3 5.88SL		30 oz	1.38	4 H/ 7 D	Apply after physiological maturity (PM) has occurred when 75% of the capsules on the main stem have seed with final color (darker than the milky white of the immature seed). PM seeds have a brown tip where the placenta attachment has dried and on one side of the seed, a seed line is visible. Do not apply to sesame grown for seed.
<i>saflufenacil</i> Sharpen 2.85SC	14	1–2 oz	0.022–0.044	12 H/ 3 D	Apply in at least 10 GPA in combination with an MSO (1% v/v) and AMS (8.5–17 lbs/100 gals). Apply after physiological maturity (PM) has occurred when 75% of the capsules on the main stem have seed with final color (darker than the milky white of the immature seed)]. PM seeds have a brown tip where the placenta attachment has dried and on one side of the seed, a seed line is visible. Do not apply to sesame grown for seed. Allow up to 10 days for optimum desiccation effect. Rain-free period is 1 hour.