

■ SOYBEAN WEED CONTROL

STAGE OF APPLICATION	HERBICIDE	MOA	BROADCAST RATE/ACRE		REI/PHI (Hours or Days)	REMARKS AND PRECAUTIONS
			AMOUNT OF FORMULATION	POUNDS ACTIVE INGREDIENT		
Postemergence Shielded or Hooded Sprayers	<i>glyphosate</i> various trade names 3 lb ae/gal 3.73 lb ae/gal 4 lb ae/gal 4.17 lb ae/gal 4.50 lb ae/gal 4.80 lb ae/gal 5 lb ae/gal	9	16–48 oz 13–39 oz 12–36 oz 11.7–35 oz 11–32 oz 10–30 oz 10–29 oz	0.38–1.13 ae	4 H/ 7 D	Do not apply until soybeans have reached the effective "chemical cultivation" treatment for emerged weeds in row middles. Hood or shield height must be adjusted so that <i>glyphosate</i> does not contact soybean green stems or foliage. Apply in a spray volume of 3–10 GPA. Not all formulations of <i>glyphosate</i> are labeled for this use. Refer to specific product label.
	<i>paraquat</i> 2 lb/gal 3 lb/gal	22	16–32 oz 11–21 oz	0.25–0.50	24 H/ Forage 46 D	Do not apply until soybeans have reached the following minimum height of 8". Rates should be adjusted to band width. At the early growth stages, do not spray unless the soybean stand is uniform in height as slow emerging soybeans will be killed. Crop oil concentrate or nonionic surfactant should also be added to spray. If weeds exceed 4" in height, the tank-mix of 2,4-DB with <i>metribuzin</i> will improve weed control. When using <i>paraquat</i> adjust equipment to spray no higher than 3" of the soybean plant. Users of paraquat must be certified applicators and successfully complete an EPA approved paraquat training (https://www.epa.gov/pesticide-worker-safety/paraquat-dichloride-training-certified-applicators).
HARVEST AIDS						
Harvest Aid	<i>glyphosate</i> Various trade names 3 lb ae/gal 3.73 lb ae/gal 4 lb ae/gal 4.17 lb ae/gal 4.50 lb ae/gal 5 lb ae/gal	9	32–64 oz 26–52 oz 24–48 oz 23–46 oz 21–42 oz 19–38 oz	0.75–1.5 ae	4 H/ 7 D	Apply after soybean pods have lost all green color. Application is usually timed 14–21 days before harvest. May be aerially applied. This treatment is not recommended for conventional soybeans grown for seed purposes. Not all formulations of <i>glyphosate</i> are labeled for this use. Refer to specific product label.
	<i>paraquat</i> 2 lb/gal 3 lb/gal	22	16 oz 10.7 oz	0.25	24 H/ 15 D	Indeterminate Varieties: Apply when at least 65% of the seed pods have reached a mature brown color or when seed moisture is 30% or less. Determinant Varieties: Apply when soybeans are fully mature (full pod development, 50% leaf drop, and the remaining leaves are yellow). Mature cocklebur and drought stressed weeds are not adequately controlled by this treatment. Do not apply to immature soybeans. Add a nonionic surfactant at 0.25% v/v. May be ground or aerially applied. Tank-mix with Aim if annual morningglories are also a problem (except smallflower). Users of paraquat must be certified applicators and successfully complete an EPA approved paraquat training (https://www.epa.gov/pesticide-worker-safety/paraquat-dichloride-training-certified-applicators).

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HARVEST AIDS <i>(continued)</i>						
Harvest Aid <i>(continued)</i>	<i>carfentrazone</i> Aim 2EC	14	1.5 oz	0.023	12 H/ 3 D	For the pre-harvest desiccation of pigweed and annual morningglories (<i>Ipomoea</i> species). Can be applied by ground or air. Use with a crop oil concentrate at 1% v/v. Can be tank-mixed with <i>glyphosate</i> or <i>paraquat</i> to improve the spectrum of control.
	<i>saflufenacil</i> Sharpen 2.85SC	14	1–2 oz	0.02–0.04	12 H/ 3 D	Apply when soybeans have reached physiological maturity at least 3 days before harvest. Could take 7–10 days for optimum desiccation. Use a MSO at 1% v/v (must contain at least 60% MSO) and AMS (8.5 lbs/gal). Do not apply to soybeans grown for seed production. Indeterminate Varieties: > 65% brown pods and > 70% leaf drop or when seed moisture is 30% or less. Determinate Varieties: soybeans are fully developed, > 50% leaf drop, remaining leaves are yellowing. Crop Rotation Restrictions: corn/sorghum/small grains-0 months; soybeans—1 month; cotton—1.5–3 months; peanuts—4–5 months Rain-Free Period is 1 hour.
Center Pivot Irrigation Application	<i>metolachlor</i> Stalwart, Parallel PCS, Me-Too-Lachlor	15	16 oz	1	24 H/ 90 D	Herbicides should be applied only through center pivot systems that water uniformly. Apply in ¼–½" of irrigation water/A. Equipment must have appropriate check valves or other suitable devices in the system to ensure that the herbicide solution cannot siphon back into water supply. Refer to labels for more specific information regarding center-pivot applications.
	<i>S-metolachlor</i> Dual Magnum 7.62EC		16 oz	0.97		
	<i>metribuzin</i> Metri, Metribuzin, Tricor 75DF 4F	5	5.3–8 oz 8–12 oz	0.25–0.38	12 H/ 70 D	