

ZONE ASSIST®

herbicide



TECHNICAL FACT SHEET

Strong early season weed control with staying power

Zone Assist® is an effective, long-lasting early-season foundation tool for cleaner fields and better yield potential in soybeans, peanuts, dry shelled beans and dry peas.

Combining two powerful modes of action in a single, simple solution, Zone Assist conquers more than 65 broadleaf and grass weeds, including glyphosate-resistant species like waterhemp, lambsquarters, pigweed, nightshade and kochia.

Product Specifications

Brand Name	Zone Assist®
Category	Herbicide
Active Ingredient	Sulfentrazone + Imazethapyr
Crops	Soybeans, peanuts, dry shelled beans, dry peas
Site of Action	Group 14 / Group 2
Formulation	Suspension concentrate
AI/Gallon	Sulfentrazone 3.33 lbs a.i./g Imazethapyr 0.67 lb a.i./g
Applications	Preplant / PPI / Preemergence / Burndown
Rates	3.0 - 12.0 fl oz/A (See label for rates by crop)
Weed Spectrum	Broadleaf & grass species
Signal Word	Caution



SOYBEANS



PEANUTS

Primary Weeds Controlled (or suppressed)

Amaranth species, American daisy, Annual sedge, Bristly starbur, Carpetweed, Catchweed, Cocklebur, Coffee senna, Copperleaf (hophornbeam, Virginia), Crabgrass, Eclipta, Florida beggarweed, Florida pusley, Foxtail species, Golden crownbeard, Goosegrass, Groundcherry (clammy, cutleaf), Hairy galinsoga, Jimsonweed, Kochia, Ladysthumb, Lambsquarters, Marshelder, Morningglory species, Mustard (black, tumble, wild), Nightshade (black, eastern black, hairy), Nutsedge (purple, yellow), Palmer amaranth, Panicum (fall, Texas), Pennsylvania smartweed, Pigweed (redroot, smooth), Poorjoe, Prickly sida/Teaweed, Purslane, Redstem filaree, Redweed, Rockpurslane redmaids, Russian thistle, Shattercane, Shepherd's purse, Southern sida, Spurge (prostrate, spotted), Spurred anoda, Velvetleaf, Venice mallow, Waterhemp (common, tall), Wild buckwheat, Wild poinsettia

REI	12 hours	CROPS	PERFORMANCE BENEFITS
PHI	N/A		
Restricted Use	No		
Packaging	2 x 2.5 gal		
EPA #	74530-80		
		Soybeans	<ul style="list-style-type: none"> • Ideal for no-till and conventional tillage acres. • No pH restrictions; no geographical restrictions. • Soluble product that is readily activated with rainfall. • Superior crop safety with long-lasting residual.
		Peanuts	
		Beans (Dry Shelled)	
		Peas (Dry)	

USE RESTRICTIONS - SOYBEANS	ROTATIONAL CROP GUIDE																		
Spring Preplant, PPI, Preemergence <ul style="list-style-type: none"> • Zone Assist may be applied preplant at planting time or within 3 days after planting, but prior to crop emergence. • May be applied alone or in a tank mix with other soybean herbicides. • For PPI use, incorporation must be uniform and no deeper than 2 inches. • For applications greater than 30 days preplant, use the highest rate for the appropriate soil texture and organic matter. Zone Assist will provide residual to reduce continual flushes of new weeds, however postemergence herbicides may still be required. • Properly closed seed furrow is necessary to prevent potential crop response when applying at planting or after planting. 	<table border="1"> <thead> <tr> <th>Crops</th> <th>Rotation</th> </tr> </thead> <tbody> <tr> <td>Wheat</td> <td>4 months</td> </tr> <tr> <td>Corn, Field and Seed*</td> <td>10 months</td> </tr> <tr> <td>Alfalfa</td> <td>12 months</td> </tr> <tr> <td>Sorghum</td> <td>18 months</td> </tr> <tr> <td>Sunflower</td> <td>18 months</td> </tr> <tr> <td>Sweet Corn, Popcorn</td> <td>18 months</td> </tr> <tr> <td>Potato</td> <td>26 months</td> </tr> <tr> <td>Canola, Sugar beet</td> <td>40 months**</td> </tr> </tbody> </table> <p>* See seed corn precautions ** With successful soil bioassay</p>	Crops	Rotation	Wheat	4 months	Corn, Field and Seed*	10 months	Alfalfa	12 months	Sorghum	18 months	Sunflower	18 months	Sweet Corn, Popcorn	18 months	Potato	26 months	Canola, Sugar beet	40 months**
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APPLICATION RATES AND GUIDELINES

Soybeans				Reduced Rates in GMO Soybeans			
Preplant, PPI, Preemergence		Rates: fl oz/A		Fall, Preplant, Preemergence		Rates: fl oz/A	
% Organic Matter	Soil Texture			% Organic Matter	Soil Texture		
	Coarse	Medium	Fine		Coarse	Medium	Fine
> 1.0 - 2.0	6.0 - 8.0	8.0 - 10.0	10.0 - 12.0	< 1.0 - 2.0	4.0	4.0 - 5.0	5.0 - 6.0
2.0 - 4.0+	8.0 - 10.0	10.0 - 12.0	12.0	2.0 - 4.0+	4.0 - 5.0	5.0 - 6.0	6.0

Peanuts				Dry Shelled Beans & Peas			
Early Preplant, PPI, Preemergence		Rates: fl oz/A		Fall, Early Preplant, PPI, Preemergence		Rates: fl oz/A	
% Organic Matter	Soil Texture			% Organic Matter	Soil Texture		
	Coarse	Medium	Fine		Coarse	Medium	Fine
< 1.5	3.0 - 3.5	3.5 - 4.0	4.0 - 5.0	< 1.5	2.75 - 3.6	3.6 - 5.4	3.6 - 5.4
1.5 - 3.0	3.5 - 4.0	4.0 - 5.0	5.0 - 6.0	1.5 - 3.0	3.6 - 5.4	4.5 - 6.0	6.0
> 3.0	4.0 - 5.0	5.0 - 6.0	6.0 - 7.0	> 3.0	4.5 - 6.0	6.0	6.0

Use higher rates for soils with pH less than 7.0 and lower rates for soils with pH greater than 7.0 for all crops listed in tables.

Coarse = Sand, Loamy Sand, Sandy Loam
 Medium = Sandy Clay Loam, Sandy Clay, Loam, Silt Loam, Silt
 Fine = Silty Clay Loam, Silty Clay, Clay Loam, Clay

Fall Application (Soybeans): Zone Assist can be applied in the Fall over crop stubble in no-till and minimum till systems. If weeds are emerged at the time of application, tank mix with a preemergence burndown herbicide at label rates. When making burndown applications to emerged weeds, add an adjuvant such as COC or MSO to enhance activity.



For more information, visit helmagro.com.

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