

POSTEMERGENCE GRASS WEED CONTROL

Agricultural Uses

- **Assure® II** is a selective herbicide that controls annual and perennial grass weeds in canola, cotton, chickpea, dry beans, dry and succulent peas, lentil, snap bean, soybean, sugarbeet and sunflower. Refer to the label for a complete listing of registered crops and uses.
- **Assure II** provides excellent control of volunteer corn.
- Application rate of 4–12 fl oz/A.
- Applications should target 2- to 4-inch tall grass weeds and 8- to 12-inch tall volunteer corn.

Spray Adjuvants

- A petroleum crop oil concentrate (COC) is the preferred adjuvant type.
- Apply COC at 1% v/v (1 gallon per 100 gallons of spray solution) or 2% v/v under arid conditions.
- An ammonium nitrogen fertilizer may be added to the spray mixture in addition to COC but is not required to optimize performance.
 - Use 2 lb/A of a spray-grade ammonium sulfate (AMS) or 2 qt/A of a high quality urea ammonium nitrate (UAN) such as 28% UAN or 32% UAN. Under arid conditions, use 4 lb/A of AMS or 4 qt/A of 28% UAN or 32% UAN.
 - DO NOT use liquid nitrogen fertilizer as the total carrier solution.

For Optimum Control

- Apply using medium to coarse, 250-400 micron sized droplets at 15 gallons/acre.
- When nozzles producing very coarse, extremely coarse or ultra coarse sized droplets are required, crop oil concentrate use is strongly recommended.
- Apply at least 1 hour before rainfall or overhead irrigation.
- Apply to actively growing weeds, avoiding stressful conditions from drought and cool temperatures.
- Tank mixtures with broadleaf herbicides (e.g. 2,4-D, Classic®, dicamba, FirstRate® or Flexstar®) may reduce grass control. Apply **Assure II** 1 day before or 7 days after broadleaf herbicide application for best results.

Assure II Active Ingredient: Quizalofop-P-ethyl

See our entire line of products at AMVAC.com

Weeds Controlled and Rate Selection

	Size at Application (in)	Assure II Applied Alone (fl oz product/A)	Assure II Tank-Mixed With Broadleaf Herbicide (fl oz product/A)*
Annual Grasses**			
Volunteer Corn (<i>Zea mays</i>)***	6–30	4–8	8–12
Foxtail, Giant (<i>Setaria faberi</i>)	2–4 (pre-tiller)	5–8	8–12
Johnsongrass, Seedling (<i>Sorghum halepense</i>)	2–8		
Shattercane (<i>Sorghum bicolor</i>)	6–12		
Wild Proso Millet (<i>Panicum miliaceum</i>)	2–6		
Crowfootgrass (<i>Dactyloctenium aegyptium</i>)	2–6	7–8	8–12
Fall Panicum (<i>Panicum dichotomiflorum</i>)	2–6		
Field Sandbur (<i>Cenchrus incertus</i>)	2–6		
Foxtail, Bristly (<i>Setaria verticillata</i>)	2–4		
Foxtail, Giant (<i>Setaria faberi</i>)	2–8		
Foxtail, Green (<i>Setaria viridis</i>)	2–4		
Foxtail, Yellow (<i>Setaria pumila</i>)	2–4		
Goosegrass (<i>Eleusine indica</i>)	2–6 [†]		
Itchgrass (<i>Rottboellia exaltata</i>)	2–8		
Sprangletop (<i>Leptochloa filiformis</i>)	2–6		
Volunteer Barley (<i>Hordeum vulgare</i>)	2–6		
Volunteer Oat (<i>Avena sativa</i>)	2–6		
Volunteer Rye (<i>Secale cereale</i>)	2–6		
Volunteer Wheat (<i>Triticum aestivum</i>)	2–6		
Wild Oat (<i>Avena fatua</i>)	2–6		
Witchgrass (<i>Panicum capillare</i>)	2–6		
Barnyardgrass (<i>Echinochloa crus-galli</i>)	2–6		
Crabgrass, Large (<i>Digitaria sanguinalis</i>)	2–6 [†]		
Crabgrass, Smooth (<i>Digitaria ischaemum</i>)	2–6 [†]		
Junglerice (<i>Echinochloa colozum</i>)	2–6		
Texas Panicum (<i>Panicum texanum</i>) ^{††}	2–4		
Red Rice (<i>Oryza sativa</i>)	1–4	9–10	Split [†]
Woolly Cupgrass (<i>Eriochloa villosa</i>)	2–4 [§]		
Broadleaf Signalgrass (<i>Brachiaria platyphylla</i>)	2–6	10	Split [†]
Downy Brome (<i>Bromus tectorum</i>)	2–6	10–12	12
Italian Ryegrass (<i>Lolium multiflorum</i>)	2–6		
Jointed Goatgrass (<i>Aegilops cylindrica</i>)	2–6		
Windgrass (<i>Bromus mollis</i>)	2–6		
Perennial Grasses**			
Wirestem Muhly (<i>Muhlenbergia frondosa</i>)	4–8	8–10	Split [†]
Bermudagrass (<i>Cynodon dactylon</i>)	3 in tall (or up to 6 in runners)	10–12	Split [†]
Johnsongrass, Rhizome (<i>Sorghum halepense</i>)	10–24		
Quackgrass (<i>Agropyron repens</i>)	6–10		

* Refer to the **Assure II** product label for more information regarding tank mixes with additional herbicides.

** For annual and perennial grasses, up to 12 fl oz/A may be applied based on local recommendations. Under arid conditions, apply at the higher use rate.

*** Does not control quizalofop resistant corn (e.g. Enlist corn). For all other corn, apply 4 fl oz/A of **Assure II** for up to 12-inch tall corn. Apply 5 fl oz/A of **Assure II** for 12- to 18-inch tall corn; use 8 fl oz/A of **Assure II** for 18- to 30-inch tall corn.

[†] Split Application. Grass species may not be controlled when **Assure II** is tank-mixed with broadleaf herbicides. To prevent antagonism of grass control, apply **Assure II** either 1 day before or 7 days after the broadleaf herbicide. Use rates listed under **Assure II** Applied Alone.

[†] Length of lateral growth.

^{††} Do not apply **Assure II** at less than 10 fl oz/A in Texas and other areas of the arid west.

[§] Size in height or diameter, whichever is more restrictive. Application to plants with more than three tillers may result in unsatisfactory control.