

## Amber Use Guidelines

Labeled for Use on Spring Wheat, Winter Wheat, Durum Wheat and Barley

Benefits	<ul style="list-style-type: none"> <li>◆ Amber<sup>®</sup> herbicide delivers broad-spectrum control of tough broadleaf weeds in both wheat and barley</li> <li>◆ Controls more than 50 broadleaf weeds</li> <li>◆ Flexibility to apply pre or post, fall or spring, right up to pre-boot stage of wheat</li> <li>◆ Season-long control minimizes late flushes and provides clean fields through harvest</li> </ul>
Active Ingredient & Mode of Action	<ul style="list-style-type: none"> <li>◆ Triasulfuron (Group 2) – inhibits the plant enzyme acetolactate synthase (ALS), which is essential for the synthesis of the amino acids valine, leucine and isoleucine necessary for plant growth</li> </ul>
Rates	<ul style="list-style-type: none"> <li>◆ Standard rates: 0.28 oz/A, 0.35 oz/A, 0.47 oz/A</li> <li>◆ Enhanced rate: 0.56 oz/A</li> </ul>
Weeds Controlled	<ul style="list-style-type: none"> <li>◆ More than 50 broadleaf weeds, as well as suppression of annual ryegrass, cheatgrass and downy brome. Refer to product label for full list of weeds controlled.</li> </ul>
Application Timing (Weeds)	<ul style="list-style-type: none"> <li>◆ Apply Amber to actively growing broadleaf weeds that are within the height and diameter size specified on the label. Optimal control can be obtained for most species when weeds are 2 inches or less in height and/or diameter.</li> </ul>
Application Timing (Crop)	<ul style="list-style-type: none"> <li>◆ Amber has excellent crop safety on wheat when applied at any stage up to pre-boot and barley when applied from the 2-leaf stage up to the pre-boot stage of the crop</li> </ul>
Application Guidelines	<ul style="list-style-type: none"> <li>◆ Ground applications: <ul style="list-style-type: none"> <li>○ 3-20 GPA: Use only conventional or low pressure flat fan nozzles with 35-40 PSI at the nozzle tip</li> <li>○ 20+ GPA: Use rain-drop or flood-jet nozzles</li> </ul> </li> <li>◆ Aerial applications: 2-5 GPA minimum <ul style="list-style-type: none"> <li>○ Use low drift nozzles at 40 PSI</li> <li>○ Apply maximum 10 feet above the crop</li> <li>○ Wind speed should not exceed 10 mph</li> </ul> </li> </ul>
Use Parameters	<ul style="list-style-type: none"> <li>◆ Use Amber in the following states only: CO, ID, KS, MN, MT, ND, NE, NM, NV, OK, OR, SD, TX, UT, WA, WY <ul style="list-style-type: none"> <li>○ Do not use in the San Luis Valley of CO or in sections of WA and OR west of the Cascade Mountains. In WA, abide by all sulfonyleurea aerial application rulings in effect by the Washington Department of Agriculture.</li> </ul> </li> <li>◆ Make only one application of 0.56 oz/A or two applications of 0.28 oz/A per crop season</li> <li>◆ Do not apply to wheat or barley undersown with legumes or forage grasses, as injury to the undersown crops may occur</li> <li>◆ For optimal control, fall applications of Amber to weeds in winter wheat or winter barley must be made before the emerged weeds are exposed to extended freezing temperatures</li> </ul>
Rotational Crops	<ul style="list-style-type: none"> <li>◆ 0 days – wheat (excluding durum)</li> <li>◆ 4 months – proso millet, field corn (IR hybrids only)</li> <li>◆ 8 months – durum wheat</li> <li>◆ 11 months – STS<sup>®</sup> soybeans</li> <li>◆ 14 months – field corn (non-IR hybrids; soil pH 6.9 or lower; KS, NE, CO east of I-25 only); soybeans (non-STS varieties; if minimum 25" of precipitation since application; soil pH 7.5 or lower; using standard rate in central KS; using standard or enhanced rate in eastern TX, central and eastern OK)</li> <li>◆ 22 months – field corn (non-IR hybrids; soil pH 7.9 or lower)</li> <li>◆ 24 months and successful field bioassay – onions, sugar beets, sunflowers</li> <li>◆ 26 months – soybeans (non-STS varieties; if minimum 46" of precipitation since application; soil pH 7.5 or lower using enhanced rate in central KS; soil pH 7.9 or lower using standard rate in central KS, south-central NE)</li> <li>◆ 36 months – field corn (non-IR hybrids; in areas not described above); soybeans (non-STS varieties; in areas not described above)</li> <li>◆ All other crops – refer to product label for specific rotation guidelines</li> </ul>
Personal Protective Equipment (PPE) – Applicator & Handler	<ul style="list-style-type: none"> <li>◆ Long-sleeved shirt, long pants, chemical-resistant gloves made of any waterproof materials such as polyethylene or polyvinyl chloride, shoes plus socks</li> </ul>
Re-entry Interval & PPE for Early Entry	<ul style="list-style-type: none"> <li>◆ Re-entry Interval: 4 hours</li> <li>◆ PPE for Early Entry: Coveralls, chemical-resistant gloves made of any waterproof materials such as polyethylene or polyvinyl chloride, shoes plus socks</li> </ul>

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Rainfast	<ul style="list-style-type: none"> <li>◆ 4 hours</li> </ul>			
Tank-mix Partners	<ul style="list-style-type: none"> <li>◆ Henbit: Ally<sup>®</sup>; Banvel<sup>®</sup> + 2,4-D; Buctril<sup>®</sup>; MCPA; Lexone<sup>®</sup>; Sencor<sup>®</sup></li> <li>◆ Downy Brome and Cheat in wheat: Lexone; Maverick<sup>®</sup>; Sencor</li> <li>◆ Fungicide: Tilt<sup>®</sup> for control of foot rot in wheat in Pacific Northwest</li> <li>◆ Insecticide: Tank mix Amber or apply sequentially with registered organophosphate insecticides, except malathion. Delay Amber application at least 60 days after an in-furrow application of an organophosphate insecticide.</li> </ul>			
Herbicide Tank-mix Partners	<table style="width: 100%; border: none;"> <tr> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ 2,4-D amine</li> <li>◆ 2,4-D ester</li> <li>◆ Aim<sup>®</sup></li> <li>◆ Ally*</li> <li>◆ Assert<sup>®*</sup></li> <li>◆ Axial<sup>®</sup> XL</li> <li>◆ Banvel SC or SGF</li> <li>◆ Bronate<sup>®</sup></li> <li>◆ Buctril</li> <li>◆ Clarity<sup>®</sup></li> <li>◆ Curtail<sup>®</sup></li> </ul> </td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Curtail M</li> <li>◆ Discover<sup>®</sup> NG</li> <li>◆ Diuron</li> <li>◆ Fallow Master<sup>®</sup></li> <li>◆ Gramoxone Inteon<sup>®</sup></li> <li>◆ Hoelon<sup>®</sup></li> <li>◆ Landmaster<sup>®</sup> BW</li> <li>◆ Lexone</li> <li>◆ Maverick</li> <li>◆ MCPA amine</li> <li>◆ MCPA ester</li> </ul> </td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>◆ Puma<sup>®</sup></li> <li>◆ Roundup<sup>®</sup></li> <li>◆ Sencor</li> <li>◆ Starane<sup>®</sup></li> <li>◆ Starane + Saber<sup>®</sup></li> <li>◆ Starane + Salvo<sup>®</sup></li> <li>◆ Starane + Sword<sup>®</sup></li> <li>◆ Stinger<sup>®</sup></li> <li>◆ Touchdown<sup>®</sup></li> </ul> </td> </tr> </table> <p style="text-align: center; font-size: small;">*Products with the same mode of action (ALS-inhibitor) as Amber.</p>	<ul style="list-style-type: none"> <li>◆ 2,4-D amine</li> <li>◆ 2,4-D ester</li> <li>◆ Aim<sup>®</sup></li> <li>◆ Ally*</li> <li>◆ Assert<sup>®*</sup></li> <li>◆ Axial<sup>®</sup> XL</li> <li>◆ Banvel SC or SGF</li> <li>◆ Bronate<sup>®</sup></li> <li>◆ Buctril</li> <li>◆ Clarity<sup>®</sup></li> <li>◆ Curtail<sup>®</sup></li> </ul>	<ul style="list-style-type: none"> <li>◆ Curtail M</li> <li>◆ Discover<sup>®</sup> NG</li> <li>◆ Diuron</li> <li>◆ Fallow Master<sup>®</sup></li> <li>◆ Gramoxone Inteon<sup>®</sup></li> <li>◆ Hoelon<sup>®</sup></li> <li>◆ Landmaster<sup>®</sup> BW</li> <li>◆ Lexone</li> <li>◆ Maverick</li> <li>◆ MCPA amine</li> <li>◆ MCPA ester</li> </ul>	<ul style="list-style-type: none"> <li>◆ Puma<sup>®</sup></li> <li>◆ Roundup<sup>®</sup></li> <li>◆ Sencor</li> <li>◆ Starane<sup>®</sup></li> <li>◆ Starane + Saber<sup>®</sup></li> <li>◆ Starane + Salvo<sup>®</sup></li> <li>◆ Starane + Sword<sup>®</sup></li> <li>◆ Stinger<sup>®</sup></li> <li>◆ Touchdown<sup>®</sup></li> </ul>
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Tank-mixing Instructions	<ul style="list-style-type: none"> <li>◆ Always use clean water or liquid fertilizer. Fill tank with approximately 25% of total water volume needed and begin agitation.</li> <li>◆ When using a surfactant with liquid fertilizer solutions, add surfactant to the mix water before adding Amber to spray tank.</li> <li>◆ Add correct amount of Amber.</li> <li>◆ Complete filling the tank, maintaining sufficient agitation at all times to ensure complete and uniform dispersal of product.</li> <li>◆ Disperse Amber completely (agitate 2-3 minutes) before adding surfactant or another chemical to tank.</li> <li>◆ When using water as a carrier, a nonionic surfactant with a minimum of 80% of the constituents effective as a spray adjuvant must be added at 1-2 qts/100 gal of spray volume (0.25-0.5% v/v) for all applications to emerged weeds.             <ul style="list-style-type: none"> <li>○ Use 0.5% surfactant when applying Amber to dense weed populations or when applying Amber in a spray volume of 10 gal/A or less.</li> </ul> </li> <li>◆ Maintain continuous agitation when the spray suspension is in the tank.</li> <li>◆ Mix only sufficient spray suspension to be used the same day. Amber will remain effective in the mixture for at least 36 hours.</li> </ul>			
Sprayer / Tank Cleaning	<ol style="list-style-type: none"> <li>1. Flush tanks, hoses, boom and nozzles with clean water.</li> <li>2. Prepare a cleaning solution of one gallon of household ammonia per 50 gallons of water.</li> <li>3. Hose down the inside of the spray tank with this solution. Take care to wash all parts of the tank, including the inside top surface.</li> <li>4. Completely fill the sprayer with the cleaning solution to ensure contact of the cleaning solution with all interior surfaces and plumbing.</li> <li>5. Start agitation in the sprayer and thoroughly re-circulate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.</li> <li>6. Flush hoses, spray lines and nozzles for at least 1 minute with the cleaning solution.</li> <li>7. Dispose of rinsate.</li> <li>8. Repeat steps 2-7.</li> <li>9. Remove nozzles, screens and strainers and clean separately in the cleaning solution after completing the above procedures.</li> <li>10. Rinse the complete spraying system with clean water.</li> </ol>			

**For more information visit [www.farmassist.com/crops/cereals](http://www.farmassist.com/crops/cereals) or call the Syngenta Customer Center at 866-SYNGENTA (866-796-4368).**



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