

# DuPont™ Affinity® BroadSpec Herbicide + Postemergence Grass Control Products



DuPont™ Affinity® BroadSpec herbicide with TotalSol® soluble granules at 0.4 to 1.0 ounce per acre can be tank mixed with grass control and other broadleaf products for weed control in wheat and barley. Affinity® BroadSpec applied at 0.4 to 0.6 ounce per acre must always contain a registered broadleaf tank-mix partner. Antagonism generally does not occur, but rates of Affinity® BroadSpec herbicide may vary depending on the tank-mix partner. However, DuPont recommends that you first consult the grass herbicide label, your state experiment station, university or Extension agent, agricultural dealer or DuPont representative for specific recommendations to address potential antagonism before using the mixture. If no information is available, limit the initial use of Affinity® BroadSpec and the grass product to a small area. **Be sure to read and follow the grass tank-mix partner recommendations regarding use on specific cereal crops. The most restrictive language on either label should apply.**

## With Axial XL herbicide

Affinity® BroadSpec can be tank mixed with 16.4 ounces per acre of Axial XL herbicide for improved control of grass weeds in spring wheat (excluding durum), winter wheat and barley. This tank mix also may include MCP ester or amine, bromoxynil or bromoxynil/MCP and Starane for a greater spectrum of broadleaf weed

control. See the Axial XL herbicide label for specific use directions and restrictions on tank mixes.

Affinity® BroadSpec at 0.4 to 0.5 ounce per acre and a bromoxynil-containing herbicide, such as Bronate Advanced at 0.6 to 0.8 pint per acre or Bison at  $\frac{3}{4}$  to 1 pint per acre or Rhino at  $\frac{3}{4}$  to 1 pint per acre, may be tank mixed with Axial XL herbicide at 16.4 ounces per acre for improved control of grass weeds in wheat.

Affinity® BroadSpec at 0.4 to 0.5 ounce per acre and a fluroxypyr-containing herbicide, such as Starane at  $\frac{1}{2}$  to  $\frac{3}{4}$  pint per acre or Starane + Sword at 1.5 pints per acre, may be tank mixed with Axial XL herbicide at 16.4 ounces per acre for improved control of grass weeds in wheat.

Affinity® BroadSpec at 0.4 to 0.5 ounce per acre and an MCP-containing herbicide, such as MCP ester or MCP amine at  $\frac{1}{2}$  to  $\frac{3}{4}$  pint per acre of a 4 pound per gallon product, may be tank mixed with Axial XL herbicide at 16.4 ounces per acre for improved control of grass weeds in wheat.

## With Axial herbicide

Affinity® BroadSpec can be tank mixed with 8.2 ounces per acre of Axial herbicide for improved control of grass weeds in spring wheat (excluding durum), winter wheat and barley. Axial herbicide requires the use of Adigor adjuvant at 9.6 ounces per acre and can be

used with Affinity® BroadSpec. This tank mix also may include MCP ester or amine, bromoxynil or bromoxynil/MCP and Starane for a greater spectrum of broadleaf weed control. See the Axial herbicide label for specific use directions and restrictions on tank mixes.

Affinity® BroadSpec at 0.4 to 0.5 ounce per acre and a bromoxynil-containing herbicide, such as Bronate Advanced at 0.6 to 0.8 pint per acre or Bison at  $\frac{3}{4}$  to 1 pint per acre or Rhino at  $\frac{3}{4}$  to 1 pint per acre, may be tank mixed with Axial herbicide at 8.2 ounces per acre for improved control of grass weeds in wheat.

Affinity® BroadSpec at 0.4 to 0.5 ounce per acre and a fluroxypyr-containing herbicide, such as Starane at  $\frac{1}{2}$  to  $\frac{3}{4}$  pint per acre or Starane + Sword at 1.125 pints per acre, may be tank mixed with Axial herbicide at 8.2 ounces per acre for improved control of grass weeds in wheat.

Affinity® BroadSpec at 0.4 to 0.5 ounce per acre and an MCP-containing herbicide, such as MCP ester or MCP amine at  $\frac{1}{2}$  to  $\frac{3}{4}$  pint per acre of a 4 pound per gallon product, may be tank mixed with Axial herbicide at 8.2 ounces per acre for improved control of grass weeds in wheat.

### With Discover herbicides

Affinity® BroadSpec herbicide can be tank mixed with Discover herbicides for improved control of grass weeds in wheat. Under dry, stressful growing conditions the 4.0 ounces per acre rate of Discover or the 16 fluid ounces rate of Discover NG is recommended.

Affinity® BroadSpec at 0.4 to 1.0 ounce per acre and a bromoxynil-containing herbicide, such as Bronate Advanced at 0.6 to 0.8 pint per acre or Bison at  $\frac{3}{4}$  to 1 pint per acre or Rhino at  $\frac{3}{4}$  to 1 pint per acre, may be tank mixed with 3.2 to 4.0 ounces per acre of Discover herbicide or 12.8 to 16 fluid ounces per acre of Discover NG for the control of wild oats in wheat.

Affinity® BroadSpec at 0.4 to 1.0 ounce per acre and a fluroxypyr-containing herbicide, such as Starane at  $\frac{1}{2}$  to  $\frac{2}{3}$  pint per acre or Starane + Sword at 1.5 pints per acre, may be tank mixed with 3.2 to 4.0 ounces per acre of Discover herbicide or 12.8 to 16 fluid ounces per acre of Discover NG for control of wild oats in wheat.

Affinity® BroadSpec at 0.4 to 1.0 ounce per acre and an MCP-containing herbicide, such as MCP ester or MCP amine at  $\frac{1}{2}$  to  $\frac{3}{4}$  pint per acre of a 4 pound per gallon product, may be tank mixed with 3.2 to 4.0 ounces per acre of Discover herbicide or 12.8 to 16 fluid ounces per acre of Discover NG for control of wild oats in wheat.

### With Puma herbicide

DuPont™ Affinity® BroadSpec herbicide can be tank mixed with Puma 1EC for control of some annual grass weeds. This tank mix also may include MCP ester, bromoxynil or bromoxynil/MCP, Starane or Starane + Sword, for a greater spectrum of broadleaf control. See the Puma 1EC label for specific use directions and restrictions on tank mixes. DO NOT use this tank mix on two-row malting barley.

Affinity® BroadSpec at 0.4 to 0.5 ounce per acre and a bromoxynil-containing herbicide, such as Bronate Advanced at 0.6 to 0.8 pint per acre or Bison at  $\frac{3}{4}$  to 1 pint per acre or Rhino at  $\frac{3}{4}$  to 1 pint per acre, may be tank mixed with 0.33 pint per acre of Puma for control of green foxtail, or 0.66 pint per acre of Puma for control of green foxtail, yellow foxtail and wild oat in wheat or barley.

Affinity® BroadSpec at 0.4 to 0.5 ounce per acre and a fluroxypyr-containing herbicide, such as Starane at  $\frac{1}{2}$  to  $\frac{2}{3}$  pint per acre or Starane + Sword at 1.5 pints per acre, may be tank mixed with 0.33 pint per acre of Puma for control of green foxtail, or 0.66 pint per acre of Puma for control of green foxtail, yellow foxtail and wild oat in wheat or barley.

Affinity® BroadSpec at 0.4 to 0.5 ounce per acre and an MCP-containing herbicide, such as MCP ester or MCP amine at  $\frac{1}{2}$  to  $\frac{3}{4}$  pint per acre of a 4 pound per gallon product, may be tank mixed with 0.33 pint per acre of Puma for control of green foxtail, or 0.66 pint per acre of Puma for control of green foxtail, yellow foxtail and wild oat in wheat or barley.

### With Osprey herbicide

Affinity® BroadSpec can be tank mixed with 4.75 ounces of Osprey herbicide per acre for improved control of grass weeds in fall-sown and winter wheat. This tank mix also may include MCP ester, bromoxynil or bromoxynil/MCP, Starane or Starane + Sword for a greater spectrum of broadleaf weed control. See the Osprey label for specific use directions and restrictions on tank mixes.

Affinity® BroadSpec at 0.4 to 1.0 ounce per acre and a bromoxynil-containing herbicide, such as Bronate Advanced at 0.6 to 0.8 pint per acre or Bison at  $\frac{3}{4}$  to 1 pint per acre or Rhino at  $\frac{3}{4}$  to 1 pint per acre, may be tank mixed with Osprey herbicide at 4.75 ounces per acre for improved control of grass weeds in fall-sown and winter wheat.

Affinity® BroadSpec at 0.4 to 1.0 ounce per acre and a fluroxypyr-containing herbicide, such as Starane at  $\frac{1}{2}$  to  $\frac{2}{3}$  pints per acre or Starane + Sword at 1.5 pints per acre, may be tank mixed with Osprey herbicide at 4.75 ounces per acre for improved control of grass weeds in fall-sown and winter wheat.

Affinity® BroadSpec at 0.4 to 1.0 ounce per acre and an MCP-containing herbicide, such as MCP ester or MCP amine at  $\frac{1}{2}$  to  $\frac{3}{4}$  pint per acre of a 4 pound per gallon product, may be tank mixed with Osprey herbicide at 4.75 ounces per acre for improved control of grass weeds in fall-sown and winter wheat.

### With Everest herbicide

Affinity® BroadSpec at 0.4 to 1.0 ounce per acre can be tank mixed with Everest herbicide for improved control of grass weeds in wheat. When Affinity® BroadSpec and Everest are tank mixed, the mix must include at least ¼ pint per acre of 2,4-D herbicide. The ester formulation is preferred.

Affinity® BroadSpec at 0.4 to 1.0 ounce per acre and a bromoxynil-containing herbicide, such as Bronate Advanced at 0.6 to 0.8 pint per acre or Bison at ¾ to 1 pint per acre or Rhino at ¾ to 1 pint per acre, may be tank mixed with 0.3 ounce per acre of Everest for control of green foxtail, or 0.6 ounce per acre of Everest for control of green foxtail, yellow foxtail and wild oat.

Affinity® BroadSpec at 0.4 to 1.0 ounce per acre and a fluroxypyr-containing herbicide, such as Starane at ½ to ¾ pint per acre or Starane + Sword at 1.5 pints per acre or Starane + Salvo at 1.0 pint per acre, may be tank mixed with 0.3 ounce per acre of Everest for control of green foxtail, or 0.6 ounce per acre of Everest for control of green foxtail, yellow foxtail and wild oat.

### Olympus Flex herbicide

DuPont™ Affinity® BroadSpec can be tank mixed with 3.0 to 3.5 ounces per acre of Olympus Flex herbicide for improved control of grass weeds in fall-sown or winter wheat. This tank mix also may include MCP ester or amine, bromoxynil or bromoxynil/ MCP and Starane for a greater spectrum of broadleaf weed control. See the Olympus Flex label for specific use directions and restrictions on tank mixes.

Affinity® BroadSpec at 0.4 to 1.0 ounce per acre and a bromoxynil-containing herbicide, such as Bronate Advanced at 0.6 to 0.8 pint per acre or Bison at ¾ to 1 pint per acre or Rhino at ¾ to 1 pint per acre, may be tank mixed with Olympus Flex herbicide at 3.0 to 3.5 ounces per acre for improved control of grass weeds in wheat.

Affinity® BroadSpec at 0.4 to 1.0 ounce per acre and a fluroxypyr-containing herbicide, such as Starane at ½ to ¾ pint per acre or Starane + Sword at 1.5 pints per acre, may be tank mixed with Olympus Flex herbicide at 3.0 to 3.5 ounces per acre for improved control of grass weeds in wheat.

Affinity® BroadSpec at 0.4 to 1.0 ounce per acre and an MCP- or 2,4-D-containing herbicide, such as MCP ester, MCP amine, 2,4-D ester or 2,4-D amine at ½ to ¾ pint per acre of a 4 pound per gallon product, may be tank mixed with Olympus Flex herbicide at 3.0 to 3.5 ounces per acre for improved control of grass weeds in wheat.

### With Olympus herbicide

Affinity® BroadSpec can be tank mixed with 0.6 to 0.9 ounce per acre of Olympus herbicide for improved control of grass weeds in spring wheat, including durum, and winter wheat. This tank mix may also include MCP ester or amine, 2,4-D ester or amine, bromoxynil or bromoxynil/MCP and Starane for a greater spectrum of broadleaf weed control. See the Olympus label for specific use directions and restrictions on tank mixes.

Affinity® BroadSpec at 0.4 to 1.0 ounce per acre and a bromoxynil-containing herbicide, such as Bronate Advanced at 0.6 to 0.8 pint per acre or Bison at ¾ to 1 pint per acre or Rhino at ¾ to 1 pint per acre, may be tank mixed with Olympus herbicide at 0.6 to 0.9 ounce per acre for improved control of grass weeds in wheat.

Affinity® BroadSpec at 0.4 to 1.0 ounce per acre and a fluroxypyr-containing herbicide, such as Starane at ½ to ¾ pint per acre or Starane + Sword at 1.5 pints per acre, may be tank mixed with Olympus herbicide at 0.6 to 0.9 ounce per acre for improved control of grass weeds in wheat.

Affinity® BroadSpec at 0.4 to 1.0 ounce per acre and an MCP- or 2,4-D-containing herbicide, such as MCP ester, MCP amine, 2,4-D ester or 2,4-D amine at ½ to ¾ pint per acre of a 4 pound per gallon product, may be tank mixed with Olympus herbicide at 0.6 to 0.9 ounce per acre for improved control of grass weeds in wheat.

## Environmental considerations and additional comments

Some reduction in annual grass control may occur when optimum environmental conditions do not occur for several days prior to and after application — such as low moisture conditions, high and low temperatures, or low humidity.

### **Note:**

References to  $\frac{1}{2}$  to  $\frac{3}{4}$  pint per acre of MCP or 2, 4-D refers to 4.0-pound active ingredient products.

An average use rate of bromoxynil-containing herbicides such as Rhino, Bison and Bronate Advanced is 3.0 to 4.0 ounces active ingredient per acre.

***This reference guide is not intended as a substitute for the product label for the product(s) referenced herein. Product labels for the above product(s) contain important precautions, directions for use and product warranty and liability limitations that must be read before using the product. Applicators must be in possession of the product label(s) at the time of application. Always read and follow all label directions and precautions for use when using any pesticide alone or in tank mix combinations.***

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Reorder No.: K-14842 (Replaces K-14382)*



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