

2009

# ADRENALIN SC on CLEARFIELD wheat technology sheet



## Why choosing ADRENALIN® SC makes sense

ADRENALIN SC herbicide is custom-designed for the **CLEARFIELD®** Production System for Wheat, giving you the best value of the **CLEARFIELD** wheat herbicides, including control of Group 1 resistant grasses. It even controls wheat off-types and volunteer barley, while its dual-action broadleaf weed control gives you exceptional broad-spectrum control, all in 1-Pass.

## How ADRENALIN SC works

Upon application, the systemic activity of ADRENALIN SC stops weed growth within 24 hours. Visible symptoms appear within 7-10 days and, depending on environmental conditions, weed death occurs within 14-21 days after application.

## What crops can follow ADRENALIN SC in the rotation

One year after applying ADRENALIN SC, you can safely seed the following crops:

Canary seed	Field peas	Spring wheat
Canola	Flax	Tame oats
<b>CLEARFIELD</b> canola	Lentils	
Durum wheat	Spring barley	

BASF continues to do research on rotational crops for the ADRENALIN SC label.

## What ADRENALIN SC controls

<b>Grassy weeds controlled</b>	Barnyard grass	Volunteer barley
	Green foxtail	Volunteer canary seed
	Japanese brome (suppression only)	Wheat off-types
	Persian darnel	Wild oat
<b>Broadleaf weeds controlled</b>		Yellow foxtail
	Annual smartweed species (including lady's thumb)	Narrow-leaved hawk's-beard
	Annual sow-thistle	Perennial sow-thistle*
	Bluebur	Prickly lettuce
	Bull thistle*	Ragweeds
	Burdock*	Redroot pigweed
	Buttercup*	Russian pigweed
	Canada thistle*	Russian thistle
	Cocklebur	Shepherd's-purse
	Cow cockle	Stinkweed
	Field bindweed*	Sweet clover
	Flixweed	Tartary buckwheat*
	Goat's-beard	Volunteer canola (all HTC types)
	Hoary cress*	Wild buckwheat
	Kochia	Wild mustard
	Lamb's-quarters	Wild radish
		Wild sunflower
<b>Broadleaf weeds suppressed</b>	Chickweed	Hemp-nettle
	Cleavers**	Horsetail
	Curled dock (young)	Leafy spurge
	Dandelion	Pineapple weed

\* Top growth control only.

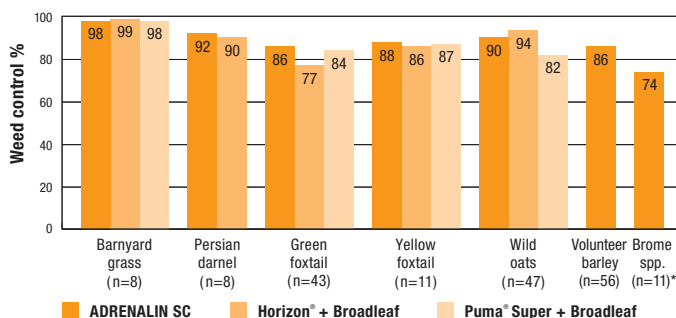
\*\* Control is obtained at the 2-leaf stage and suppression at the 4-leaf stage.

BASF continues to do research to add more weeds to the ADRENALIN SC label, including round-leaved mallow and volunteer tame oats.



**Adrenalin<sup>SC</sup>**  
for CLEARFIELD® wheat

### The best value of the CLEARFIELD wheat herbicides!



Note: 1998-2005 BASF Research Trials. ADRENALIN SC ratings are a combination of ADRENALIN and ADRENALIN SC trials.

### Now you can take control of volunteer barley

**CLEARFIELD** wheat allows growers to control volunteer barley in their wheat crop for the first time, increasing crop rotation flexibility and improving grade and yield potential. Growers can now seed **CLEARFIELD** wheat after barley (or wheat off-types) to change up rotations. Volunteer barley is a weed that persists for 2-3 years at densities that can easily reduce yield and grade. Research by Dr. John O'Donovan (AAFC) has shown that volunteer barley is more competitive than wild oats in wheat, and that 10 volunteer barley plants per square meter can reduce wheat yield by over 12%.

For more information about ADRENALIN SC, call **AgSolutions**® by BASF at 1-877-371-BASF (2273) or visit our website at [www.agsolutions.ca](http://www.agsolutions.ca)

Always read and follow label directions.

ADRENALIN SC can only be used on wheat varieties with the **CLEARFIELD** trait. ADRENALIN, AgSolutions, **CLEARFIELD** and the UNIQUE **CLEARFIELD** SYMBOL are registered trademarks of BASF. All other products mentioned are trademarks or registered trademarks of their respective companies. © 2008 BASF Canada Inc.

### When to apply ADRENALIN SC

ADRENALIN SC has a wide window of application, so you can control early-emerging weeds before they affect yield.

<b>Crop</b>	CDC Imagine: 4- to 6-leaf stage
<b>Broadleaf weeds</b>	Cotyledon to 4-leaf stage
<b>Grassy weeds</b>	1- to 4-leaf stage (maximum of 2 tillers)

### How much to apply

Each case of ADRENALIN SC contains enough herbicide to treat 40 acres. Use with 0.25% v/v non-ionic surfactant, such as Agral 90, Ag-Surf or Surf 92.

### Application tips

- To maximize herbicide performance, apply ADRENALIN SC to weeds that are actively growing.
- Avoid applying ADRENALIN SC immediately after a frost or during unseasonably cold weather.
- ADRENALIN SC is approved for use in all soil zones.
- Always apply ADRENALIN SC with an NIS at 0.25% v/v.
- Apply ADRENALIN SC no later than the 4-leaf, 2-tiller stage to control volunteer barley.
- Do not apply ADRENALIN SC prior to the 4-leaf stage of the crop.
- As with all crops, when preseed weed pressures are high a preseed glyphosate application is recommended.



**Adrenalin<sup>SC</sup>**  
for CLEARFIELD® wheat