

HARASS™ herbicide

TANK MIX WITH PURSUIT² DG HERBICIDE FOR POSTEMERGENCE BROADLEAF WEED CONTROL IN SOYBEANS FOR USE IN THE STATE OF NORTH DAKOTA

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

HARASS herbicide is recommended for postemergence control of the broadleaf weeds listed below when applied to soybeans in a tank mix with "PURSUIT DG"² Herbicide in the state of North Dakota.

This tank mix is labeled for the control of broadleaf weeds only. Different control measures should be used to control grassy weeds, such as an application of "SELECT⁴" OR "ASSURE⁵ II" Herbicide 1 day before or 7 days after applying HARASS plus "PURSUIT DG". Conversely, a soil applied preemergence grass herbicide may be used in a planned weed control program with HARASS plus "PURSUIT DG".

Do not apply this tank mix through any type of irrigation system.

HOW TO USE

A tank mix of 1/12 ounce/acre of HARASS plus 1.08 ounce/acre "PURSUIT DG" is recommended for postemergence control of the broadleaf weeds listed in the table below. Best results are obtained when the HARASS plus "PURSUIT DG" tank mix is applied to weeds that are young (after the first true leaves have expanded, but before they exceed the size indicated in the table below) and actively growing. Applications made to weeds that are in the cotyledon stage, larger than the size indicated below, or to weeds under stress (weather, herbicide, or other) may result in unsatisfactory control.

WHEN TO APPLY

Apply after the first trifoliolate of the soybean plant has fully expanded. Applications of HARASS plus "PURSUIT DG" tank mixes must be made before soybeans have begun to flower. There should be an interval of at least 85 days between an application of "PURSUIT DG" and soybean harvest.

The soybeans should be free from stress and actively growing at the time of application. Stress may be caused by abnormally hot or cold weather, growing conditions such as drought or water-saturated soil, disease, soil nutrient deficiencies such as iron chlorosis, or injury from nematodes, insects, or prior herbicide applications.

Applications of HARASS plus "PURSUIT DG" may shorten stem internodal length and cause temporary crop injury. Crop response may be increased when applications are made to soybeans that are under stress.

WEEDS CONTROLLED	SIZE (Height in inches)
Cocklebur	2 - 4
Lambsquarters	2 - 4
Nightshade	
black	1 - 3
eastern black	1 - 3
hairy	1 - 3
Pigweed	
tough (redroot)	2 - 12
other pigweed species	2 - 8
waterhemp species	2 - 8
Smartweeds, annual	2 - 6
Velvetleaf	2 - 6
Wild mustard	up to 4 (diameter)

ADJUVANTS

Postemerge applications of HARASS tank mixed with "PURSUIT DG" must include the addition of a nonionic surfactant and ammonium nitrogen fertilizer.

- A nonionic surfactant must be included at the rate of 1 pint per 100 gallons of solution (0.125% v/v concentration). Do not use DASH² or SUNIT-II³
- Use a high quality liquid nitrogen fertilizer such as 28-0-0 at a rate of 4 – 8 pints per acre, or 10-34-0 at a rate of 2 – 4 pints per acre. Use the lower rate for spray volumes less than 15 gallons per acre. Alternately, a high quality, sprayable grade of ammonium sulfate (21-0-0) may be used at a rate of 2 – 4 pounds per acre.

Broadcast Application: Use flat fan nozzles at 25 – 60 psi. Do not use flood, hollow cone, rain drop, whirl chamber or controlled droplet application (CDA) type nozzles as unacceptable crop injury, excessive spray drift, or poor weed control may result. Use 10 – 25 gallons of water per acre. For proper spray coverage, adjust the boom and nozzle height according to the specifications listed by the nozzle manufacturer.

Band Application: For band application, use proportionately less spray mixture. To avoid crop injury, carefully calibrate the band applicator so as not to exceed the desired use rate. Carefully follow the manufacturer's instructions for nozzle type, (flat fan nozzles preferred), nozzle orientation, distance of the nozzles from the crop and weeds, spray volumes, calibration, and spray pressure.

Aerial Application: Use nozzle types and arrangements that will provide optimum spray distribution and maximum coverage at 5 to 10 GPA. Do not apply during a temperature inversion, when winds are gusty, or when other conditions will favor poor coverage and/or off target spray movement. Use a minimum of 5 gallons of water per acre. Consult the respective product labels for special directions for aerial application.

ROTATIONAL CROP GUIDELINES

Any crop may be planted 45 days after an application of HARASS. Refer to the "PURSUIT DG" labels for guidelines on planting rotational crops following its use. Follow the maximum time interval listed on the respective labels prior to planting a rotational crop. The most restrictive time interval shall apply.

RESTRICTION AND LIMITATIONS (Partial List)

Refer to the HARASS and "PURSUIT DG" labels for additional use directions, use restrictions, and precautions. The most restrictive provision on either label will apply.

Sequential applications of HARASS following postemerge "PURSUIT DG" treatments are not recommended because:

- Crop injury from sequential postemerge applications of HARASS following "PURSUIT DG" is greater than from the use of either product applied alone. The first application interferes with the soybean plant's ability to metabolize the second herbicide treatment. Sequential applications may result in severe crop injury.

- Any weeds not controlled by the "PURSUIT DG" application will be stressed at the time of the sequential treatment. This will result in unsatisfactory weed control, particularly for stress sensitive weeds such as lambsquarters.
- Weeds that have recovered from a "PURSUIT DG" application will typically be larger than labeled size by the time soybeans may be safely treated with a HARASS application. This will result in unsatisfactory weed control.

HARASS plus "PURSUIT DG" treatments may be tank mixed with an appropriately labeled post grass herbicide to control volunteer corn and shattercane. "PURSUIT DG" will reduce the activity on all other grasses. For broad spectrum grass control, apply post grass herbicide 1 day before, or 7 days after "PURSUIT DG" treatments. Refer to the grass herbicide label for recommended application rates, weed sizes, and restrictions.

Applications within 1 hour of rain may reduce weed control.

Cultivation before, during, or within 7 days after the application may put the weeds under stress by pruning roots. Root pruning may reduce weed control. The best time to cultivate is approximately 14 days after application.

Do not allow spray from either ground or aerial equipment to drift onto adjacent crops or land, as injury to other plants may occur.

Do not tank mix with organophosphate insecticides, or apply within 14 days before or after an application of an organophosphate insecticide as severe crop injury may occur.

To avoid subsequent injury to crops other than soybeans, thoroughly clean all mixing and spray equipment immediately following application. Refer to the respective labels for cleanout procedures. Follow the more restrictive cleanout recommendation.

Do not graze animals on green forage or stubble. Do not utilize hay or straw for animal feed or bedding.

IMPORTANT

BEFORE USING HARASS AND "PURSUIT DG" OR A 3-WAY TANK MIX WITH A POST GRASS HERBICIDE, READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA-REGISTERED LABELS.

This bulletin contains new or supplemental instructions for use of these products which do not appear on the EPA-registered package labels. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

¹ HARASS is a trademark of Cheminova

² Registered trademark of BASF AG Corporation

³ Registered trademark of Agsco, Inc.

⁴ Registered trademark of Valent

⁵ Registered trademark of DuPont