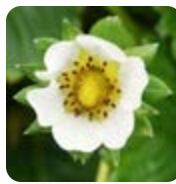


# HatchTrak<sup>SM</sup>

May 2017



The later half of May is when we begin to think about planting and residual herbicide applications to sunflowers and dry edible beans. If you haven't already done it; now is time to apply this critical PRE application to protect minimize weed pressure and protect yields in your sunflower and dry edible bean crops.

Remember that Spartan® Charge herbicide and Spartan® Elite herbicide provide the longest lasting residual control of problem weeds such as: kochia, Russian thistle, lambsquarters and pigweed.

## Reminder

Spartan Charge herbicide and Spartan Elite herbicide are the only two sulfentrazone-containing products with "Special local needs" 24c labels for use on dry edible beans in North Dakota and Minnesota

## Inside This Issue

- Spartan® Brand Herbicides for Sunflowers and Dry Edible Beans
- Preemptor™ SC fungicide wheat recommendations

Ryan Hunt

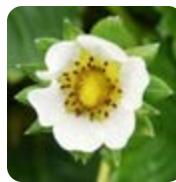
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## Spartan<sup>®</sup> Elite & Spartan<sup>®</sup> Charge Herbicides: Preplant / Preemergence for Sunflowers and Dry Edible Beans



### Aim<sup>®</sup> EC herbicide: 0.75 – 1.5 fl. oz./A

- Non-residual burndown control of emerged weeds in tank-mix programs
- Combine with Spartan Elite herbicide to improve burndown on kochia, Russian thistle, lambsquarters, mustard species
- Non-residual program : Aim EC herbicide 1.0-1.5 oz + glyphosate 1-1.5 lb ai + MSO 1.0% v/v + AMS
- Use 1.0-1.5 oz for heavy weed and resistant populations
- Use preplant up to 1-day after planting

### Spartan Elite herbicide: 19 - 28 oz./A (see label for specific soil type & organic matter recommendations)

- Combines broadleaf control of Spartan<sup>®</sup> Brand herbicides with grass control of s-metolachlor
- Excellent on small seeded broadleaves. Stronger on pigweeds, lambsquarters, nightshades with two modes-of-action working on those weeds where soil type has limited the rate on Spartan Charge herbicide past

### Spartan Charge herbicide: 3 - 6 oz./A (see label for specific soil type & organic matter recommendations)

- Includes the post activity of Aim EC herbicide for increased burndown on kochia, R. thistle, mustards, lambsquarters
- Tank mix with residual grass partner or follow with post grass herbicide

### Best Management Recommendations for Spartan<sup>®</sup> herbicide applications

- Spartan Charge & Spartan Elite herbicides: Tank-mix with glyphosate in no-till for complete burndown
- Add 1-2pints MSO + AMS as desired for maximum burndown performance
- Preplant applications (7-14 days) have shown good weed control and improved crop safety. Preplant applications also may allow slightly higher rate for improved weed control with excellent safety, especially on lighter, low organic matter soils
- **Do not use on coarse soils or soils containing less than 1.5% organic matter where dry edible beans are to be grown**

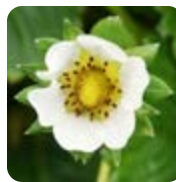


25oz./Acre Spartan Elite herbicide 30 days after application – North Dakota - 2014



Spartan Charge herbicide vs. UTC on kochia. Colorado - 2015

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## PREEMPTOR<sup>TM</sup> SC

FUNGICIDE

### Superb Disease Management for Wheat - Green Up To Flag Leaf

- Preemptor<sup>TM</sup> SC fungicide should be applied preventatively, when conditions favor disease development
- 2 - 3 oz./A for early season control of tan spot, powdery mildew, septoria and suppression of rust plus plant health. Feekes 4-8. A second application at minimum of 14 days may be made if necessary
- 4 oz./Acre for light to moderate leaf and stem rust at 50% flag leaf emergence. Feekes 10
- 5 – 6 oz./A for moderate to heavy disease pressure at 50% flag leaf
- May be mixed with other fungicides, herbicides or insecticides unless prohibited on mix partner label. Do not mix with bromoxynil based herbicides as crop injury could result*
- Do not apply past feekes 10.5 (flowering)
- Thorough coverage is necessary for good disease control. Minimum 10 GPA by ground and 2 GPA by air
- Pre-Harvest Interval (PHI) – 40 days for grain or straw, 15 days for hay or 7 days forage. Minimum spray interval is 14 Days. Apply no more than 6 oz per application, and no more than 12 oz./A total per year. REI is 12 hr***

888-59-FMC-AG FMCCROP.COM

Always read and follow label directions. NOTE REGARDING RESTRICTED USE PESTICIDES: Anthem ATZ herbicide; Athena insecticide, Brigade 2EC Insecticide/Miticide, Brigade WSB Insecticide/Miticide, Brigadier Insecticide Capture 3RIVE 3D insecticide, Capture LFR Insecticide, Declare insecticide, Hero Insecticide, Mustang Insecticide, Mustang Maxx Insecticide, Pounce 25WP Insecticide, Stallion Brand Insecticide, Temetry LFR Insecticide/Fungicide, Triple Crown Insecticide, Ethos XB Insecticide/Fungicide and Gladiator Insecticide/Miticide are **Restricted Use Pesticides**. NOTE FOR CALIFORNIA: Accurate Extra herbicide, Aim herbicide, Aim EC herbicide, Aim EW herbicide, Anthem herbicide, Anthem ATZ herbicide, Anthem Flex herbicide, Anthem MAXX herbicide, Authority Assist herbicide, Authority Elite herbicide, Authority First DF herbicide, Authority MAXX herbicide, Authority MTZ DF herbicide, Authority XL herbicide, Cadet herbicide, Chisum Herbicide, Command 3ME microencapsulated herbicide, Crusher Herbicide, Edition Broadspec herbicide, Edition Tankmix Herbicide, Marvel herbicide, Nimble Herbicide, Nuance Herbicide, Preemptor SC fungicide, Report Extra Herbicide, Solstice herbicide, Spartan 4F herbicide, Spartan Charge herbicide, Spartan Elite herbicide, Temetry LFR Insecticide/Fungicide, Topguard EQ fungicide, Zeus Prime XC herbicide, Zeus XC herbicide, Capture 3RIVE 3D insecticide, Ethos XB Insecticide/Fungicide, Hero Insecticide, Mustang Maxx Insecticide, Display cotton harvest aid, Zoro Miticide and VGR Soil Amendment **are not registered for sale or use in California**. VGR Soil Amendment is not a pesticide. Beleaf and Carbine are trademarks of Ishihara Sangyo Kaisha, Ltd. Cercobin is a trademark of Nippon Soda Co., LTD. Sovran is a registered trademark of BASF. FMC, 3RIVE 3D, Accurate, Aim, Anthem, Athena, Authority, Brigade, Brigadier, Cadet, Capture, Chisum, Command, Crusher, Declare, Display, Edition, Ethos, Preemptor, Fracture, Fyfanon, Gladiator, Hero, Koverall, LFR, Marvel, Mustang, Nimble, Obey, Pounce, Report, Rhyme, Rovral, Shark, Solida, Solstice, Spartan, Stallion, Temetry, Topguard, Topguard Terra, VGR and Zeus are trademarks and HatchTrak and Investing in farming's future are service marks of FMC Corporation or an affiliate. ©2016 FMC Corporation. All rights reserved. 11/16