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Reinforcements Have Arrived!

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New herbicide options for soybean weed management

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Weed management is one of the biggest challenges for soybean production. To help farmers meet this challenge, some new herbicides have been labeled for soybeans. Keep reading for more information about new products. And always make sure to check the herbicide label before application.

Anthem™ [Pyroxasulfone (22.61%) + fluthiacet-methyl (0.69%)].

Anthem is a new premix from FMC for pre-emergence or early post-emergence control of annual grasses and some small-seeded broadleaf weeds in corn and soybean. Application rate is variable from 5 to 10 pounds per acre based on organic matter content and soil type. Read the label to find the suitable rate for your soil type.

Mode of action: Pyroxasulfone is a seedling growth inhibitor (Group 15) and fluthiacet-methyl is a PPO inhibitor (Group 14).

Authority® Elite [Sulfentrazone (7.55) + S-metolachlor (68.25)].

This is a soil-applied herbicide from FMC for control of broadleaf, grass and sedge weeds in soybeans. Soil application of Authority Elite must be made before soybean emergence to prevent injury to emerging seedlings. The crop-rotation restriction for corn and sorghum is 10 months. It should not be applied more than 38.7 fl. oz./A. per year.

Authority® Maxx [Sulfentrazone (62.12) + Clorimuron-ethyl (3.88)].

This Authority brand herbicide from FMC can be applied pre-plant or pre-emergence in soybeans for broadleaf and partial grass weed control. The application rate is 6 to 9 oz./A., depending on soil texture and organic matter content.

Flexstar® GT 3.5 [fomesafen (5.88%) + glyphosate (22.4%)].

Flexstar GT 3.5 is a new premix herbicide from Syngenta for pre- and post-emergence control of certain grasses, broadleaf and sedge weeds in soybeans. A maximum of 3.5 pints/acre may be applied in alternate years.

Mode of action: Fomesafen is a PPO-inhibitor (Group 14) and glyphosate is an EPSPS-inhibitor (Group 9).

Moisture is necessary to activate Flexstar GT 3.5 herbicide in soil for residual weed control. When adequate moisture is not received within seven days of a Flexstar GT 3.5 herbicide application, weed control may be improved by overhead irrigation with at least a quarter-inch of water. Do not apply this herbicide as an over-the-top application to non-glyphosate-tolerant soybeans, as plant death will occur.

Marvel™ [Fluthiacet-methyl (1.2%) + Fomesafen (30.08%)].

This new premix, contact herbicide from FMC provides post-emergence weed control in soybeans. It can be applied at 5 to 7.25 fl. oz./A. from pre-plant through full flowering stage (prior to R3). Do not apply more than 7.25 fl. oz./A. per application and 9.75 fl. oz./A. per year.

OpTill® PRO [saflufenacil (17.8%) + imazethapyr (32%) + dimethenamid-P (63.9%)].

OpTill PRO is one of the Kixor-based herbicides from BASF.

This co-pack features three modes of action: Sharpen, Pursuit and Outlook herbicides (Group 2, 14, and 15, respectively). It provides both contact burndown and residual pre-emergence weed control in soybeans. It can be applied in the fall and/or spring as a pre-plant or pre-emergence application in reduced-tillage or no-till soybeans for weed management.

Optill PRO is packaged as a dual-chambered jug, consisting of dry and liquid components. Do not apply more than 2 oz./acre of the dry component in a single application or cumulatively per cropping season.

Warrant® [acetochlor (33%)]

Warrant is an encapsulated formulation of acetochlor from Monsanto. Warrant herbicide can be applied pre-plant, at-planting or pre-emergence to soybeans at 1.25 to 2 qts./acre. It can also be applied post-emergence to glyphosate-resistant soybeans in a tank mix with glyphosate.

It has only residual activity, so weeds already emerged at the time of application will not be controlled by this herbicide if applied alone. It can be tank mixed with glyphosate and several other burndown herbicides to control emerged weeds at the time of application. Do not exceed 4 qts./acre per season when making a second application.

A field experiment suggested that a sequential application of Warrant applied pre-emergence at 2 qts./acre plus Roundup PowerMAX at 22 fl. oz./acre, followed by a post-emergence application of Warrant at 2

qts./acre plus Roundup PowerMAX at 22 fl. oz./acre provided season-long weed control in glyphosate-resistant soybeans with excellent crop safety.

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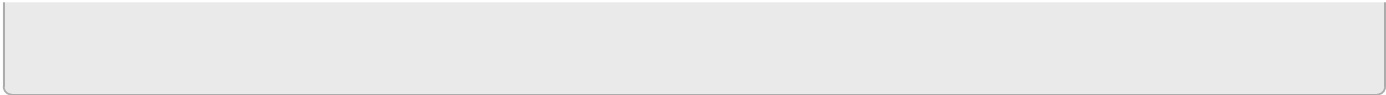
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