DoubleTeam®

SORGHUM CROPPING SOLUTION

DT® TRAIT | FirstAct®


Put the
Right
Team
on Your
Field



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It's not just seed and herbicide—it's your in-field advantage. Double Team® Sorghum Cropping Solution empowers you to eliminate profit- and yield-robbing grass weeds in your sorghum crop using a combination of unique trait hybrids with unparalleled over-the-top herbicide control.

What is the Double Team Sorghum Cropping Solution?

The Double Team Sorghum Cropping Solution is a collaboration between Warner Seeds, Inc. and ADAMA US designed to provide US-based growers the leading sorghum grass weed control available. Double Team is comprised of two components: DT® Trait sorghum seed from Warner Seeds, Inc. and FirstAct® herbicide from ADAMA. Used together, the DT Trait sorghum seed and FirstAct herbicide give growers unprecedented over-the-top control of common grass weeds that are responsible for reducing yield and profitability.

Double Team Solution Benefits

The Double Team solution offers sorghum growers a unique set of benefits to maximize grass weed control and boost yields and profits, including:

- Tolerance trait is non-GMO and provides excellent crop safety
- Effective control of broad range of grass weeds for cleaner fields and increased yields
- Rotational flexibility with shorter replant intervals for key crops

DOUBLE TEAM Overview

Double Team® Sorghum Cropping Solution is comprised of two components:

DT Trait: High Yielding Hybrids That Work

Designed to be an exclusive component of the Double Team Sorghum Cropping Solution, the DT Trait is the foundation for over-the-top grass control in Double Team Sorghum. This trait was developed to provide sorghum growers with a solution they have been seeking for decades.

DT Trait found in Double Team Sorghum:

- Provides tolerance to FirstAct herbicide for control of grass weeds
- Thrives in even the harshest sorghum growing areas in the U.S.
- Produces yields comparable to conventional sorghum
- Is non-GMO

NEW in 2026! DT2 Trait

Introducing the next evolution of sorghum production with Double Team sorghum featuring the advanced DT2 Trait with enhanced FirstAct® herbicide tolerance. The all-new DT2 Trait genetics lets growers apply weed control protection earlier, in plant height from 2” up to 20”, empowering growers with unmatched application timing flexibility and greatly extended broad spectrum crop protection, for superior yields and greater profitability.

DT2 Trait offers growers:

- 100% trait purity
- More powerful disease resistance
- Earlier and broader herbicide application window

DT® Trait Seed from Warner Seeds, Inc.





FirstAct® Herbicide from ADAMA

FirstAct Herbicide: Unique Over-the-top Grass Weed Control

Designed to be an exclusive component of the Double Team Sorghum Cropping Solution, FirstAct herbicide delivers sorghum growers reliable broad-spectrum grass control along with flexible rotation and high yields for more profitable returns per acre.

FirstAct controls a wide variety of key grass weeds, including:

- Crabgrass (Lg and Smooth)
- Volunteer Barley, Oats, and Rye
- Bermudagrass
- Fall Panicum
- Wild Oats
- Downy Brome
- Wooly Cupgrass
- Jointed Goatgrass
- Wild Proso Millet
- Italian Ryegrass
- Wirestem Muhly
- Quackgrass
- Goosegrass
- Itchgrass
- Sprangletop
- Witchgrass
- Red Rice
- Junglerice
- Crowfootgrass
- Broadleaf Signalgrass
- Windgrass



Grower Guidelines

From Seed to Spray, Here's How You Win With Double Team

Stick to the game plan for season-long success.

Winning with Double Team® starts with preparation and ends with clean, profitable acres.

Follow these steps and learn how to run the full system from start to finish.

1. **Follow stewardship guidelines.**
   The long-term viability of the Double Team Sorghum technology, requires proper stewardship and is not only a requirement of the user agreement but in the best interest of the entire sorghum community.

2. **Sign a grower agreement.**
   A signed grower agreement is required to purchase and plant Double Team Sorghum
   a. If seed is not planted, it must be returned to Warner Seeds, Inc. or destroyed.
   b. Seed cannot be shared with or sold to another producer.

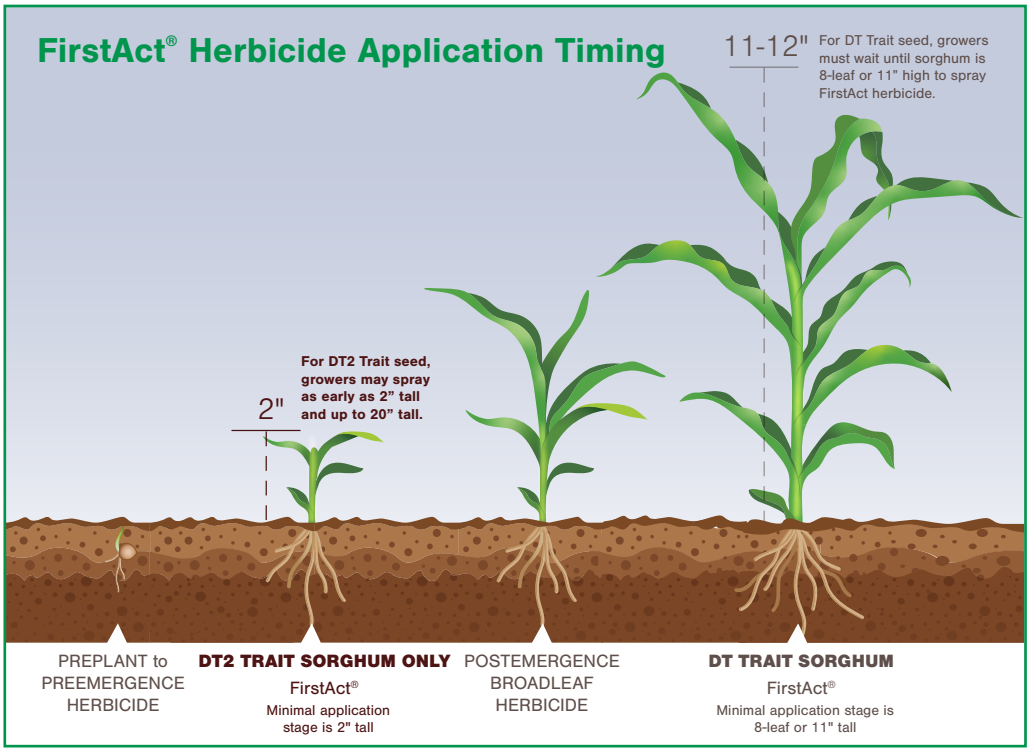
3. **Clean out your planter.**
   Clean equipment before and after planting Double Team Sorghum to prevent contamination
   a. Non-DT trait sorghum in your Double Team fields will result in plant death.
   b. Cleaning out after planting Double Team sorghum will improve stewardship efforts.

4. **Plant into a clean field.**
   Prepare your field by either spraying or tilling prior to planting Double Team.

5. **Use a preemergent herbicide.**
   Stewardship guidelines require the use of a preemergent herbicide:
   a. Required: Apply at least a half-rate of grass control product with AIs of metolachlor, dimethenamid-P, or acetochlor (refer to label for specific instructions)
   b. Recommended: A full rate of a grass control product + a broadleaf herbicide such as atrazine, saflufenacil, or mesotrione
      i. The use of tank mixes with atrazine help with grass control when utilized as a preemergent.
      i. The addition of saflufenacil and or mesotrione help with broadleaf control and resistance management of broadleaf weeds.

6. **Do not tank mix.**
   Tank mixing FirstAct with broadleaf herbicides is not recommended. It is recommended that an over-the-top broadleaf herbicide application (if required) be made at least a week prior to FirstAct application, typical timing is 2-4 leaf sorghum.

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7. Apply FirstAct at least once per season.

   For DT Trait Seed:

   Apply when sorghum is at the 8-leaf stage or a minimum 11" in height.

   For DT2 Trait Seed:

   Apply as early as 2" in height and up to 20".

8. Follow the label.

   FirstAct rates will depend on grass species and size.

   Always read and follow the herbicide label:

   a. Most rates will be 8–10 oz/acre.
   b. Difficult-to-control perennial weeds will require a use rate of 12 oz/acre.
   c. Apply with COC at 1% v/v with a minimum spray volume of 15 GPA.
   d. Two applications are allowed with maximum total of 21 oz/acre/year.
   e. The last application must be made at least 45 days prior to harvest.

Weed Species*	Size at Application (in)	FirstAct Rate (oz/acre)
Volunteer Corn**	6-30	5-8
Field Sandbur	2-6	7-8
Foxtails	2-8	
Volunteer Wheat	2-6	
Texas Panicum	2-4	10
Barnyardgrass	2-6	
Crabgrass	2-6	

**See label for complete list*

***Volunteer corn containing quizalofop-resistant traits will not be controlled.*

FAQs

Support for Every Step of the Season

Because even the best teams have questions in the field.

Whether you're planting, spraying, or planning the next move, this section answers the questions that help you run the Double Team® system with confidence from start to finish.

How do I become a Double Team Sorghum grower?

The quickest and easiest way to become a Double Team Sorghum grower is to visit the Double Team website: www.DoubleTeamSorghum.com and follow the three-step process that includes signing a Technology Use Agreement and then finding a seed and herbicide dealer near you.

Can I plant Double Team Sorghum on the same acre in back-to-back seasons?

Do not plant Double Team Sorghum on the same acre in back-to-back seasons.

What are the double cropping restrictions for Double Team Sorghum?

Double Team Sorghum is very flexible when it comes to double cropping after wheat. If COAXIUM wheat was planted in the field just before Double Team Sorghum, remember:

1) COAXIUM volunteer wheat will not be controlled by FirstAct
2) Aggressor applications plus FirstAct applications can't exceed 21oz per acre.



Are Double Team, igrowth® and Inzen™ technologies the same?

No, they are three different herbicide technologies with different weed control spectrums. FirstAct, used with Double Team, contains a Group 1 (ACCase inhibitor), while Inzen's Zest™ contains nicosulfuron and igrowth's IMIFLEX™ contains imazamox, a Group 2 (ALS inhibitor).

Will FirstAct herbicide control volunteer corn?

Yes, unless the volunteer corn is Enlist™ corn which is also resistant to "FOP" (Group 1) herbicides. This corn type is uncommon.

Do I have to use a preemergence herbicide?

Yes. You should apply any product that contains metolachlor, dimethenamid-P, or acetochlor and is registered for sorghum.

Can I tank mix broadleaf herbicide and FirstAct herbicide?

Do not tank mix FirstAct herbicide with other herbicide products. Broadleaf products are recommended for application at least seven days before FirstAct applications.

When can I make first application of FirstAct herbicide?



Plant size (height or leaf number) is used to determine spray timing. The plant needs to be at least 11 inches tall, or at the 8-leaf stage for DT Trait sorghum. DT2 Trait sorghum hybrids can be sprayed as early as 2" high sorghum.

How many times per season can I spray FirstAct herbicide?

Two applications are allowed with a maximum of 21 fl oz of FirstAct per acre per year.

How late can I spray FirstAct herbicide?

FirstAct applications can be made up until the sorghum plant reaches the boot stage. FirstAct has a 45-day pre-harvest Interval (PHI).

Are adjuvants required with FirstAct herbicide applications?

Yes, crop oil concentrate (COC) is recommended at 1% v/v. (For aerial applications apply 0.5% v/v).

What carrier spray volume is needed for FirstAct applications?

Ground applications are labeled at a minimum of 10 gallons per acre but for better coverage, 15 gallons per acre is highly recommended, especially under drought stress.

Are Double Team hybrids Sugarcane Aphid (SCA)-tolerant?

Yes, DT2 Trait hybrids are.

Can glyphosate herbicides be sprayed over the top of Double Team sorghum?

No, glyphosate and products like Select (or any DIM chemistry) will kill Double Team sorghum. Glyphosate and other registered products can be used in burndown prior to planting.

Is there a yield drag with this trait?

No, yields have been equal to or higher than similar maturity hybrids.

Stewardship

Stay Clean. Stay Compliant. Stay in the Game.

Championship systems are built on stewardship.

Great weed control starts at planting—but long-term success comes from managing resistance, protecting trait integrity, and taking care of field edges season after season.

Being a successful Double Team Sorghum grower, and the long-term viability of the Double Team Sorghum technology, requires proper stewardship. Doing your part to ensure the viability of Double Team now and in the future is not only a requirement of the user agreement but in the best interest of the entire sorghum community.

Why is following the Double Team stewardship requirements so important?

As with all herbicide-tolerant technologies, Double Team can only remain effective if managed appropriately. Cultivated sorghum and Weedy Sorghum Species (such as johnsongrass and shatter cane) are genetically similar making it possible for trait technology to be transferred to weedy sorghum if left uncontrolled. Ultimately, cross-pollination with these grass weeds could render the Double Team technology useless on your farm, limiting your sorghum options. To maintain the efficacy of the Double Team technology, 100% control of Weedy Sorghum Species, before they flower, is the goal.



What are the best practices for ensuring proper Double Team stewardship?

Pre-season

Start weed-free. Apply a preemergence herbicide such as Parallel or Parallel Plus to remove any Weedy Sorghum Species escapes before heading. This may require sequential applications of herbicides with alternative modes of action.

Do not apply any herbicide with the same mode of action more than twice in a single season.

Control escapes. Both in the field and on the field edges where grass weeds have the potential to go unchecked and cross pollinate with Double Team Sorghum, escapes must be controlled. Field edges commonly have johnsongrass and shattercane; control is critical to avoid cross pollination with the crop and the resulting resistant seed production.

Clean your planting equipment. Prevent the spread of weed seed and non-Double Team Sorghum seed between fields by cleaning planting equipment.

In-season

Control broadleaf weeds. If needed, apply herbicides or use other methods to control broadleaf weeds when Double Team sorghum is at the 2 to 4 leaf stage.

Do not spray FirstAct within 7 days of a broadleaf application.

Do not tank mix FirstAct herbicide with postemergence herbicide.

Spray FirstAct herbicide. At least one application per season of FirstAct herbicide, at a labeled rate, must be made. The presence of grass weeds, even if not visibly evident, is assumed and preventing cross pollination by applying FirstAct is required. FirstAct applications should be made when weeds are actively growing. Spraying FirstAct on non-Double Team sorghum will kill the plant.

- Spray DT Trait seed when plant is 8-leaf or 11” tall (spraying earlier will harm plant)
- Spray DT2 Trait seed when plant is between 2-20” tall

Post-season

Use sound rotation practices. Mitigate the development of herbicide-resistant weeds by rotating crops, tilling the soil, and applying herbicides with different modes of action.

Do not use the Double Team Sorghum Cropping Solution in consecutive years on the same acre.

Report suspected non-performance. Help maintain the viability of the Double Team technology by communicating issues promptly to ADAMA representatives.



ADAMA

Always read and follow FirstAct label directions.
Deviations from these practices could result in rapid development of herbicide tolerance in weeds. For more in-depth information about proper stewardship, or if you would like to contact a Double Team representative, visit www.DoubleTeamSorghum.com. DT is a registered trademark of Warner Seeds, Inc. FirstAct and Double Team are trademarks of an ADAMA Group Company.
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