



H Y B R I D L I N E U P



TAKE WEED CONTROL TO THE NEXT LEVEL

igrowth® is the first commercially available non-GMO, herbicide-tolerant innovation for grain sorghum in the world. The technology allows for pre-emergent or post-emergent control of broadleaf and grass weeds without causing damage to the crop, helping growers improve crop production and achieve better returns on their investments. The **igrowth** companion herbicide from UPL called IMIFLEX™* (imazamox) is expected to receive registration from the EPA before the 2021 growing season. It will be the only imazamox herbicide registered for use with **igrowth**.

Advanta Seeds was the first to discover the technology in 2007, and since then, **igrowth** has been successfully introduced in Argentina, Australia and multiple other countries. Now the company, through its premium seed brand Alta Seeds, is the first to commercialize herbicide-tolerant sorghum in the United States.

* Registration pending as of August 2020





igrowth[®] Geography

igrowth hybrids are well-adapted to the broad U.S. sorghum growing areas to provide flexibility for growers. The initial five **igrowth** varieties offer weed control benefits that will appeal to growers of both high- and low-input acres. Additional hybrids are in development. See hybrid overviews in this guide for the geography where each is best suited.

Non-GMO

igrowth is a non-GMO product. There was no insertion of DNA from other species or plants into the sorghum genome. **igrowth** is a naturally occurring tolerance found by genetic screening of many germplasm lines and has global market acceptance.

Purchasing igrowth[®]

Growers wanting to purchase **igrowth** seed for the upcoming growing season will need to register and sign the **igrowth** WEED CONTROL SORGHUM GROWER AGREEMENT at **AgCelerate.com**. Alta Seeds will provide registered **igrowth** users with additional stewardship documents in the future.



ADV

G21931G

MEDIUM RED GRAIN SORGHUM

DESCRIPTION

MEDIUM RELATIVE MATURITY
65 DAYS TO MID BLOOM
600,000 SEEDS/BAG
RED GRAIN COLOR
SEMI-OPEN HEAD TYPE
40-48" PLANT HEIGHT
PURPLE PLANT COLOR

- » Strong yield performance in maturity
- » Ideal for rainfed production
- » Strong disease ratings
- » Good uniformity

RATINGS



Based on Alta Seeds research trials relative to other Alta Seeds products.

RECOMMENDED SEEDING RATES

Seeding rates may vary depending on local growing conditions. Please see your Alta Seeds retailer for local recommendations.



FIELD POSITIONING

TOUGH DRYLAND	HIGH YIELD DRYLAND	LIMITED IRRIGATION	FULL IRRIGATION
Hs	Hs	Hs	S
EARLY PLANTING/ COLD SOILS	NO-TILL	POORLY DRAINED SOILS	SUGARCANE APHID
Ma	Hs	Ma	Mt

Hs = Highly Suitable S = Suitable Ma = Manage Appropriately X = Poor Suitability
 Ht = High Tolerance Mt = Medium Tolerance

Observed suitability and field-by-field positioning.



ADV

G21771G

MEDIUM RED GRAIN SORGHUM

DESCRIPTION

MEDIUM RELATIVE MATURITY
66 DAYS TO MID BLOOM
600,000 SEEDS/BAG
RED GRAIN COLOR
SEMI-OPEN HEAD TYPE
36-45" PLANT HEIGHT
PURPLE PLANT COLOR

- » Extends maturity in ideal environments
- » Travels throughout grain belt
- » Strong agronomics
- » Moderate SCA tolerance

RATINGS



Based on Alta Seeds research trials relative to other Alta Seeds products.

RECOMMENDED SEEDING RATES

Seeding rates may vary depending on local growing conditions. Please see your Alta Seeds retailer for local recommendations.



FIELD POSITIONING

TOUGH DRYLAND	HIGH YIELD DRYLAND	LIMITED IRRIGATION	FULL IRRIGATION
S	S	S	S
EARLY PLANTING/ COLD SOILS	NO-TILL	POORLY DRAINED SOILS	SUGARCANE APHID
Ma	Hs	Ma	Mt

Hs = Highly Suitable S = Suitable Ma = Manage Appropriately X = Poor Suitability
 Ht = High Tolerance Mt = Medium Tolerance

Observed suitability and field-by-field positioning.



ADV

G21681G

MEDIUM RED GRAIN SORGHUM

DESCRIPTION

MEDIUM RELATIVE MATURITY
65 DAYS TO MID BLOOM
600,000 SEEDS/BAG
RED GRAIN COLOR
SEMI-COMPACT HEAD TYPE
36-44" PLANT HEIGHT
PURPLE PLANT COLOR

- » Top yield potential on good ground
- » Travels well across geographies
- » True to maturity
- » Great standability

RATINGS



Based on Alta Seeds research trials relative to other Alta Seeds products.

RECOMMENDED SEEDING RATES

Seeding rates may vary depending on local growing conditions. Please see your Alta Seeds retailer for local recommendations.



FIELD POSITIONING

TOUGH DRYLAND	HIGH YIELD DRYLAND	LIMITED IRRIGATION	FULL IRRIGATION
Hs	Hs	Hs	S
EARLY PLANTING/ COLD SOILS	NO-TILL	POORLY DRAINED SOILS	SUGARCANE APHID
Ma	Hs	Ma	Mt

Hs = Highly Suitable S = Suitable Ma = Manage Appropriately X = Poor Suitability
 Ht = High Tolerance Mt = Medium Tolerance

Observed suitability and field-by-field positioning.



ADV

G11421G

MEDIUM-EARLY RED GRAIN SORGHUM

DESCRIPTION

MEDIUM EARLY RELATIVE MATURITY
63 DAYS TO MID BLOOM
600,000 SEEDS/BAG
RED GRAIN COLOR
SEMI-COMPACT HEAD TYPE
40-48" PLANT HEIGHT
PURPLE PLANT COLOR

- » Consistent performer
- » Yields well in maturity
- » Quick-season hybrid
- » Strong in western environments

RATINGS



Based on Alta Seeds research trials relative to other Alta Seeds products.

RECOMMENDED SEEDING RATES

Seeding rates may vary depending on local growing conditions. Please see your Alta Seeds retailer for local recommendations.



FIELD POSITIONING

TOUGH DRYLAND	HIGH YIELD DRYLAND	LIMITED IRRIGATION	FULL IRRIGATION
S	S	S	S
EARLY PLANTING/ COLD SOILS	NO-TILL	POORLY DRAINED SOILS	SUGARCANE APHID
Ma	Hs	Ma	Mt

Hs = Highly Suitable S = Suitable Ma = Manage Appropriately X = Poor Suitability
 Ht = High Tolerance Mt = Medium Tolerance

Observed suitability and field-by-field positioning.



ADV

GT1201G

MEDIUM-EARLY RED GRAIN SORGHUM

DESCRIPTION

MEDIUM EARLY RELATIVE MATURITY
61 DAYS TO MID BLOOM
600,000 SEEDS/BAG
RED GRAIN COLOR
SEMI-COMPACT HEAD TYPE
45-55" PLANT HEIGHT
RED PLANT COLOR

- » Drought-hardy producer
- » Great head exertion for efficient harvest
- » Responds to rainfall and irrigation
- » Travels into western environments

RATINGS



Based on Alta Seeds research trials relative to other Alta Seeds products.

RECOMMENDED SEEDING RATES

Seeding rates may vary depending on local growing conditions. Please see your Alta Seeds retailer for local recommendations.



FIELD POSITIONING

TOUGH DRYLAND	HIGH YIELD DRYLAND	LIMITED IRRIGATION	FULL IRRIGATION
Hs	S	S	Ma
EARLY PLANTING/ COLD SOILS	NO-TILL	POORLY DRAINED SOILS	SUGARCANE APHID
Ma	Hs	Ma	Mt

Hs = Highly Suitable S = Suitable Ma = Manage Appropriately X = Poor Suitability
 Ht = High Tolerance Mt = Medium Tolerance

Observed suitability and field-by-field positioning.



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