Premium Seed Catalog 2023

Sorghum Partners Hybrids

Double Team™ Sorghum Hybrids

Alfalfa Partners Varieties

Seeding the World

For over 40 years S&W Seed Company has provided the world's farmers with the very best alfalfa and sorghum seed to maximize yields and profits. We are dedicated to breeding crops that mitigate the most difficult agronomic issues such as soil salinity, drought conditions, herbicide tolerance, pest and disease resistance, and many other challenging growing conditions. With the world's population continuing to increase and the availability of arable land decreasing, S&W Seed Company works with growers—through both classical breeding and biotechnology initiatives—to offer the largest and most diverse platform of products and traits available.

Our innovative work with trait technology has developed hybrids and varieties with improved yield, not only in good soil conditions, but in some of the toughest soil conditions in the world—taking on unprecedented drought. We are committed to providing products resistant to the diseases and insects that pose problems for farmers, while ensuring enhanced digestibility for livestock producers. Our dedicated teams also develop technologies to make crops resistant to certain herbicides, offering farmers enhanced productivity.

Our expertise in agricultural breeding, production, and processing for both the sorghum and alfalfa industries is what sets us apart to provide industry-leading traits and technologies through our company brands: Sorghum Partners® and Alfalfa Partners®.

S&W SEED COMPANY

Introducing New and Better Products Faster

Crop innovation begins with elite germplasm. Over the next decade our expert team will expand our brands and offer new and innovative products for greater crop success.

In sorghum, our collection of more than 10,000 unique breeding lines, sourced from commercial, public, and wild collections now represent the most diverse collection of proprietary genetics in the industry. This unique germplasm is combined to create over 100,000 unique hybrid combinations, including industry leading hybrid grain, forage, food grade, and sweet sorghum seed optimized for feed, food, and fuel markets. Our domestic testing programs range from Texas to South Dakota and from California to the Carolinas. We combine that work with data collected from our international locations in Mexico, South America, Europe, Asia, Australia, and Africa to help us refine our new hybrid selections.

Our alfalfa breeders continue to develop the most innovative, university-verified varieties available anywhere in the world. It takes many years to develop, test, and produce alfalfa varieties, depending on the methodology or traits being developed. We stay abreast of current trends through innovative research and development.

Since 2010, we have dramatically expanded both the acreage dedicated to alfalfa production and our R&D focus to include dormant and biotech varieties. Our state-of-the-art breeding facility at Nampa, Idaho maintains performance trials in dormant growing areas all across North America. The vast majority of our alfalfa varieties have been approved through the National Alfalfa Variety Review Board of the Association of Official Seed Certifying Agencies ("AOSCA"), a requirement for certification and export to OECD countries.

With our multiple nursery locations, molecular teams and world class greenhouses, we evaluate and advance new seed technologies year-round. This makes it possible for us to launch products rapidly in response to industry needs.

Over the past few years, we have expanded our production and treatment capabilities and now export seed from multiple production facilities in United States, Australia, South America, and Africa to over 40 countries around the world. We have the production capacity to ensure sufficient inventory to meet demand. With these resources, S&W is uniquely positioned to respond to changes in the market and committed to deploying its facilities, capabilities, and team to deliver leading sorghum and alfalfa products to our industry.

Sorghum Partners®

In October of 2018, Sorghum Partners became a proud member of the S&W brand legacy and will continue to carry on the mission of providing proprietary seed products that support the growing global demand for animal proteins and healthier consumer diets with grain, silage, and forage hybrids.

Sorghum Partners has been producing quality seed for over 15 years. We operate a global breeding program for grain and forage sorghum from technology developed by S&W Seed Company. We partner with industry drivers and decision makers in the row crop and livestock feed markets to provide new and innovative solutions—creating an expansive market-leading product line:

- Grain sorghum hybrids with key traits that increase yield
- Silage sorghum hybrids that fit all livestock feeding needs
- Forage sorghum hybrids that deliver quality and yield
- Double Team™ sorghum hybrids with herbicide tolerance for grass weed control

Our Trait Development Leads the Industry

As our team continues to identify new traits and technologies that improve sorghum, next generation innovations are on the horizon. We now offer Double Team Sorghum with the herbicide tolerant DT® Trait, developed with non-GMO technology. Double Team Sorghum is part of the Double Team Sorghum Cropping Solution to control weeds and increase yields. We also have the exclusive license to develop the new dhurrin-free sorghum trait which will provide safer and tastier sorghum for cattle and other livestock.

Our elite brand is known for its innovative hybrids. Growers worldwide trust us to develop and deliver products that meet their most crucial needs:

- Increased yield
- Water scarcity and drought
- Standability
- Staygreen
- Sugarcane aphid tolerance
- Pest and disease resistance
- Enhanced digestibility
- Weed control and rotation

Our Team is Focused Solely on Sorghum

Sorghum Partners is dedicated to your operation's success. Our team is comprised of seasoned sorghum experts with decades of experience who have helped launch successful innovations to improve sorghum potential. We are committed to providing our customers industry-leading expertise, advanced agronomic support and the highest level of customer support. As a customer, you have access to experts who can answer questions on products, crop management, agronomy, sales, and marketing.

SORGHUM PARTNERS
A BRAND OF S&W SEED COMPANY

Trait Technologies

Grain sorghum trait technologies address issues such as maximum insect and disease resistance, grain quality, harvest-ability, drought and heat tolerance, and herbicide tolerance.

DT Trait

The DT Trait inside Double Team sorghum was developed to tolerate FirstAct herbicide to allow for superior over-the-top grass weed control. Cleaner fields mean bigger yields.

Stiff Stalk

Stiff Stalk trait improves standability by increasing stalk rind thickness, for more structural strength and tolerance to stalk rots.

Staygreen

Our Staygreen trait allows the plant to maintain green leaves under stress to produce carbohydrates through photosynthesis and reduce remobilization.

Sugarcane Aphid Tolerant (SCA)

Our industry-leading SCA tolerant trait offers a range of protection from sugarcane aphids. Look for this SCA tolerance key:

Limited Moderate High

White and yellow sugarcane aphids can be further managed by implementing a comprehensive Integrated Pest Management (IPM) program. An IPM program is a strategy that combines the use of multiple pest control tactics to maximize your operation's economic returns. Contact us for details.

	PRODUCT RATINGS	Relative Maturity	Days to 50% Bloom	Height	Head Exertion	Head Type	Grain Color	Seeds Per Pound	Emergence	Yield for Maturity	Yield Stability	Standability	Drought Tolerance	Threshability	SCA Tolerance	Head Smut
DOUBLE TEAM	**SP 24C20 DT**	Very Early	48-52	Short	3-7"	Semi-Open	Cream	16,000	3	2	2	2	2	4	S	U
	SP 30A30 DT	Early	55-59	Medium	5-7"	Semi-Open	Bronze	12,000	1	1	2	3	3	3	S	U
	SP 31C06 DT	Early	54-58	Short	4-7"	Semi-Compact	Cream	16,500	4	2	2	4	3	4	S	U
	SP 45A45 DT	Medium Early	57-61	Medium	2-5"	Semi-Open	Bronze	12,000	1	1	2	2	4	3	S	U
	SP 58M85 DT	Medium	62-66	Medium	5-7"	Semi-Compact	Bronze	14,000	1	2	2	2	2	3	MT	U
CONVENTIONAL GRAIN SORGHUM	**251**	Early	50-54	Short	4-6"	Semi-Open	Red	18,000	2	3	2	1	1	1	S	2
	SP 25C10	Early	49-54	Short	3-7"	Semi-Open	Cream	17,600	3	2	2	2	2	4	S	U
	SP 31A15	Early	54-58	Medium	3-7"	Semi-Open	Bronze	11,700	2	2	2	3	2	2	S	5
	SP3303	Medium Early	57-61	Medium	5-7"	Semi-Compact	Cream	13,000	5	2	2	2	2	2	S	U
	SP 43M80	Medium Early	58-62	Medium	4-6"	Semi-Open	Bronze	13,500	3	3	2	2	2	3	**HT**	3
	SP 68M57	Medium	66-71	Medium	4-6"	Semi-Open	Bronze	14,300	3	1	1	3	3	3	MT	3
	SP 66M16	Medium	65-66	Medium	4-6"	Semi-Open	Bronze	13,500	3	1	2	2	3	4	**HT**	U
	SP 67B17	Medium-Full	66-68	Medium-Tall	5-7"	Semi-Open	Bronze	13,500	2	2	2	2	2	2	**HT**	U
	SP 72M42	Medium-Full	70-72	Medium-Tall	5-7"	Semi-Open	Bronze	13,800	3	2	2	2	4	2	**HT**	U
	SP 74M21	Medium Full	69-74	Medium Tall	4-7"	Semi-Compact	Bronze	12,700	3	2	2	3	3	2	**HT**	2
	SP7715	Medium Full	71-75	Medium Tall	5-7"	Semi-Compact	Bronze	14,000	3	2	2	2	4	2	**HT**	3
	NK8828	Full	74-78	Tall	3-6"	Semi-Compact	Cream	16,500	3	2	2	4	3	3	S	2

Deviation from normal planting date, cultural practices and growing conditions may affect performance and cause variation in characteristics.

Ratings and descriptions are based on research and field observations from multiple locations over multiple years; comparisons with company products only.

Days to bloom may vary due to growth characteristics, planting dates or environment.

Seeds per pound may vary due to environmental influences during the production.

RATINGS 1-9

1=Excellent
5=Average
9=Poor

LEGEND

T=Tolerant
MT= Moderately Tolerant
HT= Highly Tolerant
S=Susceptible
U=Undetermined
NA=Not Available

SEEDING RATES

If planting in 20 inch rows or less always use the higher rates.

Increase seeding rate by 20% if planting is delayed significantly to account for lower tillering rates.

Yield Goal		Seed/acre
≤80 bu/acre	≤ 4,500 lbs/acre	25 – 35,000
80 -125 bu/acre	4,000 – 5,600 lbs/acre	40 – 55,000
125+ bu/acre	7,000+ lbs/acre	55 – 70,000
Irrigated	Irrigated	80 – 120,000

SP 25C10

VERY EARLY MATURITY

SP 25C10 is an early hybrid with cream colored grain on a purple plant. This hybrid is very well adapted to the Northern Plains and late planted double crop systems in the Great Plains. SP 25C10 is well suited for late disaster replants following failed cotton acres as late as mid-July. Very good drought tolerance and intermediate Staygreen along with very good stalk quality provide consistent, stable performance.

- **Very good yield for early maturity**
- **Very good stalk quality**
- **Very good option for late planted double crop or disaster plantings**
- **Very good drought tolerance**
- **Recommend 15 inch rows or narrower**

SP 31A15

EARLY MATURITY

SP 31A15 is a bronze early maturity grain sorghum with very good yield for maturity, strong emergence and seedling vigor. This hybrid adapts very well to shorter growing season environments, late plantings, and double crop scenarios. Its very good drought tolerance, above average stalk quality, along with strong stand establishment and seedling vigor provide a very consistent, stable performance.

- **Very good yield for early maturity**
- **Very good drought tolerance and Staygreen**
- **Excellent option for double crop, late plantings, or shorter growing seasons**
- **Strong emergence and seedling vigor**
- **Consistent, stable performance**

SP3303

MEDIUM-EARLY MATURITY

SP3303 is a medium-early hybrid with cream colored, food-grade grain on a tan plant. This hybrid has high yield potential. It is very uniform, has excellent standability, threshability, and drought tolerance. This hybrid performs well in drought-prone regions and can produce grain with very little precipitation.

- **Excellent drought tolerance**
- **Copes with heat very well**
- **Excellent standability**
- **Excellent yield for maturity**
- **Great eye appeal and uniformity**
- **Cream colored, food grade**

SP 43M80

MEDIUM-EARLY MATURITY

SP 43M80 is a medium-early maturity grain hybrid with high SCA tolerance and excellent appearance. Its semi-open head and light bronze grain result in stunning overall field appeal. SP 43M80 has Stiff Stalk and Staygreen to provide excellent standability and drought stress tolerance. This hybrid is well adapted for dryland fields in Great Plains with excellent yield potential.

- **High sugarcane aphid tolerance**
- **Excellent drought stress**
- **Excellent panicle exertion under drought stress**
- **Semi-Open head with great uniformity**
- **Stiff Stalk and Staygreen traits**
- **Excellent for Great Plains dryland fields**

SP 68M57

MEDIUM MATURITY

SP 68M57 is a medium maturity hybrid with intermediate Stay-green and resistance to downy mildew pathotypes 1, 3, and 6. SP 68M57 has good resistance to head smut and moderate tolerance to the white sugar-cane aphid (SCA). SP 68M57 has above average stalk quality and is an excellent fit for South Texas through the Plains.

- **High yielding medium to medium-full hybrid**
- **Well-suited for South Texas through the Plains**
- **Bronze grain, excellent appearance**
- **Resistant to downy mildew pathotypes 1, 3, and 6**
- **Widely-adapted**

SP 66M16

MEDIUM MATURITY

SP 66M16 is a medium maturity hybrid with high Staygreen and Stiff Stalk. SP 66M16 has high tolerance to the white sugar-cane aphid (SCA). This hybrid has above average stalk quality and excellent appearance. It is an excellent fit for favorable dryland and irrigation in the High Plains with high yield potential.

- **High yielding medium hybrid**
- **Bronze grain, excellent appearance**
- **Tolerates high aphid intensity**
- **Well-suited for favorable dryland and irrigation in the High Plains.**
- **High Staygreen and Stiff Stalk**

SP 67B17

MEDIUM-FULL MATURITY

SP 67B17 is a medium full maturity hybrid with bronze grain, high Staygreen and moderate sugarcane aphid tolerance. SP 67B17 excellent drought tolerance that will perform well under irrigation and high yielding dryland conditions. Well adapted to the I-35 corridor and East, from Central Texas to Central Nebraska.

- **Excellent drought tolerance**
- **Great seedling vigor**
- **High sugarcane aphid tolerance**
- **High Staygreen**
- **High test weight**
- **Good exsertion under drought stress**

SP 72M42

MEDIUM-FULL MATURITY

SP 72M42 is a medium-full, bronze-colored grain hybrid with very high, stable yields and the highest level of SCA tolerance. It has a uniform appearance, a semi-open head. SP 72M42 is an excellent fit for Central and South Texas irrigated and higher yielding dryland fields.

- **High level of SCA Tolerance**
- **Staygreen for improved drought tolerance**
- **Stiff Stalk for improved standability**
- **Semi-open head**
- **High yielding in South Texas irrigated and favorable dryland fields**

SP 74M21

MEDIUM-FULL MATURITY

SP 74M21 is a medium-full maturity hybrid with light bronze grain and high white sugarcane aphid tolerance. SP 74M21 has high yield potential and excellent panicle exertion under stress. It has moderate Stiff Stalk and strong Staygreen traits.

- **Highly-tolerant to sugarcane aphid**
- **Excellent appearance & very good yield**
- **Stiff Stalk and strong Staygreen traits**
- **Uniquely adapted to the Great Plains irrigated and favorable dryland acres**
- **Excellent panicle exertion under drought stress**
- **Excellent drought stress tolerance**
- **Semi-compact head and excellent uniformity**

SP7715

MEDIUM-FULL MATURITY

This medium-full, bronze grain hybrid has very high, stable yields with superb tolerance to anthracnose, all downy mildew pathotypes, and white sugarcane aphids. SP7715 has a uniform appearance, a semi-open head, and very good threshability. Excellent stand-ability and drought tolerance allows maximum yields across different geographies such as Central/South Texas, Mississippi Delta, and East Coast regions.

- **Very high yield potential**
- **Very good standability**
- **Excellent anthracnose tolerance**
- **Good general leaf disease resistance**
- **Very good threshability**
- **Resistant to greenbug biotypes C & E**

Grain Sorghum

How the Double Team™ Solution Works

- DT® Trait inside Double Team sorghum provides herbicide tolerance
- FirstAct™ herbicide for superior over-the-top grass and weed control
- Two reliable technologies integrate for superior yields and profits
- Flexible solution designed with few rotational crop restrictions

Part 1: Double Team Sorghum Hybrids

Sorghum Partners' Double Team hybrids come with S&W's DT Trait inside—a technology developed specifically to tolerate quizalofop, the active ingredient in FirstAct herbicide. Our innovative, non-GMO, mutation-based lab techniques and rigorous testing programs have resulted in elite hybrids with the proven ability to undergo FirstAct applications, continue growing, and deliver unprecedented yields.

Part 2: FirstAct Herbicide

The FirstAct herbicide utilizes ADAMA's proprietary formula for superior grass weed control. When applied to Double Team hybrids, growers get reliable and safe, broad spectrum over-the-top control of Crabgrass, Volunteer Corn, Sanbur, Texas Millet, Panicum, Foxtail, Barnyardgrass and a long list of others. Cleaner fields mean increased yields, and the kind of profits conventional methods just can't match.

The Double Team Solution

Integrating these two powerful and reliable technologies enables the Double Team Solution for improving sorghum profits in the U.S. This solution has few rotational crop restrictions while offering growers flexibility and crop selectivity. Double Team understands that each field is unique and provide ongoing support to address your individual needs.

Double Team™ SORGHUM CROPPING SOLUTION DT TRAIT | FirstAct.

SP 24C20 DT

VERY EARLY MATURITY

SP 24C20 DT is a cream grain, very early maturity hybrid with high yield potential. This hybrid is ideally suited for environments with shorter growing seasons and for double crop following wheat or other early harvested crops.

- **Tolerant to FirstAct™ Herbicide**
- **Over-the-top grass weed control**
- **High yield for maturity**
- **Good stalk quality**
- **Good drought tolerance**
- **Good option for late planting or double crop**

SP 30A30 DT

EARLY MATURITY

SP 30A30 DT is a bronze grain, early maturity hybrid with high yield potential. The hybrid is ideally suited for dryland acres in the Great Plains where higher soil pH may be a problem. Can also be utilized as double crop in area with longer growing seasons.

- **Tolerant to FirstAct™ Herbicide**
- **Over-the-top grass weed control**
- **High yield for maturity**
- **Excellent emergence**
- **Excellent for late planting or double crop**

SP 31C06 DT

EARLY MATURITY

SP 31C06 DT is a cream grain, early maturity hybrid with good drought tolerance and uniform appearance. Suitable for high pH soils, shorter growing seasons, and areas where double crop is planted following wheat or other early summer harvested crops.

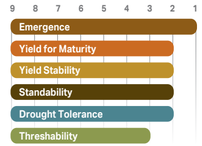
- **Tolerant to FirstAct™ herbicide**
- **Over-the-top grass weed control**
- **High yield for maturity**
- **Good drought tolerance**
- **Good for high pH soils**
- **Very uniform plant**

SP 45A45 DT

MEDIUM EARLY MATURITY

SP 45A45 DT is a bronze grain, medium-early maturity hybrid with high yield potential. This hybrid is ideally suited for dryland areas with higher rainfall or irrigated acres. Can also be utilized as a double crop in areas with longer growing seasons.

- **Tolerant to FirstAct™ Herbicide**
- **Over-the-top grass weed control**
- **High yield for maturity**
- **Excellent emergence**
- **Excellent standability**



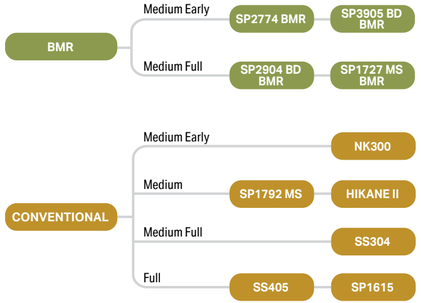
SP 58M85 DT

MEDIUM MATURITY

SP 58M85 DT is a medium maturity hybrid with bronze grain and moderate SCA tolerance. This hybrid has high levels of Staygreen for improved standability and excellent emergence in cool soils. An excellent choice throughout the Great Plains.

- **Tolerant to FirstAct™ herbicide**
- **Over-the-top grass weed control**
- **High yield for maturity**
- **Moderately tolerant to SCA**
- **Staygreen for excellent standability**
- **Excellent emergence from cool soils**

Silage Hybrids Decision Tree



Trait Technologies

Silage sorghum trait technologies address issues such as yield, digestibility, feeding efficiencies and nutrients.

Brachytic Dwarf (BD) Trait

These hybrids have shorter internodes, overall reduced plant height, reduced lodging, while maintaining yield potential.

Brown Mid-Rib (BMR) Trait

A genetic trait that lowers lignin content for increased plant digestibility, which leads to higher feeding efficiency and less manure.

Male Sterile (MS) Trait

Male sterile sorghum hybrids do not produce pollen or grain in most environments. Male sterile hybrids convert the carbohydrates that would have been grain starch in the stem as sugar. These sugars are quite stable when the hybrid is harvested and ensiled correctly.

PRODUCT RATINGS		Relative Maturity	Seeds Per Pound	Relative Height	BMR	Silage Harvest (Days)	Yield (Tonnage)	PPS (Photoperiod Sensitive)	Early Growth Rate	Leafiness	Standability	Drought Tolerance	Stalk Sweetness	% of Grain in Forage	Anthracnose Tolerance
SILAGE SORGHUM	**SP2774 BMR**	Medium Early	13,000	8-9'	Yes	100	2	No	3	4	3	4	5	10-15%	S
	SP3905 BD BMR	Medium Early	18,000	6-7'	Yes	85-95	2	No	2	2	2	2	5	15-20%	T
	NK300	Medium Early	13,000	6-7'	No	100-110	3	No	2	3	2	3	5	15-20%	S
	SP1792 MS	Medium	19,000	7-9'	No	85-105	3	No	2	3	3	3	2	0%	T
	Hikane II	Medium	19,000	8-10'	No	110-120	3	No	2	3	4	3	2	10-15%	S
	SP3904 BD BMR	Medium Full	17,500	6'	Yes	110-115	2	No	2	2	2	2	5	15-20%	T
	SP1727 MS BMR	Medium Full	17,500	8-10'+	Yes	90-120	3	No	2	3	3	2	2	0%	S
	SS304	Medium Full	21,000	10-12'	No	115-120	2	No	2	3	3	3	2	10-15%	T
	SS405	Full	14,500	10-12'	No	120-125	2	No	2	3	4	3	2	5-15%	S
	SP1615	Full	14,000	10-12'	No	125-130	1	Yes	2	2	3	3	3	0%	S

Deviation from normal planting date, cultural practices and growing conditions may affect performance and cause variation in characteristics.

Ratings and descriptions are based on research and field observations from multiple locations over multiple years; comparisons with company products only.

Dough stage from emergence.

Seeds per pound may vary due to environmental influences during the production.

RATINGS 1-9

1=Excellent
5=Average
9=Poor

LEGEND

T=Tolerant
MT= Moderately Tolerant
HT= Highly Tolerant
S=Susceptible
U=Undetermined
NA=Not Available

SEEDING RATES

Growing Conditions	Seed/acre
Adequate Moisture	100,000
Limited Moisture	70,000

SP2774 BMR

MEDIUM-EARLY MATURITY

SP2774 is a brown mid-rib silage hybrid with good yields across several geographies, particularly in the Great Plains and Midwest. It matures in approximately 95-100 days. It is best positioned west of the Mississippi River, since susceptibility to gray leaf spot has been observed in the Southeast. It may be used cautiously in the East when considering anthracnose.

- **Strong yields in the Great Plains and Midwest**
- **Best positioning west of the Mississippi River**
- **100 days to maturity**
- **Brown mid-rib (BMR) trait**
- **7-8′ tall at maturity**

SP3905 BD BMR

MEDIUM-EARLY MATURITY

SP3905 BD BMR is an early maturing brown mid-rib, brachytic dwarf forage hybrid that will produce excellent silage because of its low lignin content and high grain content. It is the earliest BD BMR hybrid on the market and works best north of I-70. It handles humidity and anthracnose very well. It produces more tillers than most hybrids, which will increase yields and cover the ground quickly.

- **Brown mid-rib, brachytic dwarf**
- **Harvest in 85-95 days after emergence**
- **Excellent for silage**
- **Double crop silage option**
- **Earliest brachytic dwarf on the market**
- **Works well North of I-70**

NK300

MEDIUM-EARLY MATURITY

NK300 is best adapted and highly desirable for high quality dairy silage due to low lignin content, large heads and high grain-to-forage ratio. It is a proven, dependable medium-early forage sorghum adapted in a wide range of growing conditions. This hybrid averages about 6′ to 7′ and has excellent standability throughout the growing season. Good stress tolerance helps carry NK300 through stressful conditions. In some areas it is approved as a cover crop. It is well adapted to narrow row production.

- **Best for high quality silage**
- **Consistent tonnage under irrigation**
- **Reduced lignin content**
- **6-7′ tall, excellent standability**
- **High grain-to-forage ratio**
- **Average stalk sweetness**

SP1792 MS

MEDIUM MATURITY

SP1792 MS is a male sterile, silage sorghum hybrid with a sweet, nutritious, and palatable stalk. It will not produce seed unless pollinated by another sorghum plant. It is high yielding. It is excellent for hay, greenchop, and silage. Produces excellent quality silage and greenchop.

- **Male sterile for high sugar accumulation in stalks after heading**
- **Produces excellent quality silage and greenchop**
- **Produces premium hay**
- **High yields**
- **Excellent digestibility**
- **90 to 120 days to silage harvest**

Hikane II

MEDIUM MATURITY

Hikane II is a sweet-stalked, medium maturing hybrid with high yield performance. This hybrid is best positioned and used for hay, grazing, or silage. It adapts well in most soils and growing conditions from Texas through the central and northern latitudes of the Great Plains. Hikane II averages 8-10′ in height and has very good standability. It can tolerate drought stress very well. Cut in the soft dough stage for highest tonnage and best quality silage.

- **Quality forage**
- **Good standability**
- **Quality cane hay**
- **Good drought tolerance**
- **Sweet stalk**
- **Good choice for double crop with excellent early growth**

SP3904 BD BMR

MEDIUM-FULL MATURITY

SP3904 BD BMR is a brown mid-rib, brachytic dwarf forage hybrid that is excellent for producing high quality silage. This hybrid will reach soft dough in approximately 110 days and will produce high levels of starch, which contributes to silage digestibility and energy levels. The brachytic dwarf trait reduces plant height and improves standability while maintaining leafiness. SP3904 BD BMR is an excellent fit for dairies and can be placed throughout the U.S.

- **Brown mid-rib, brachytic dwarf**
- **Best for high quality silage (dairy)**
- **High grain to forage ratio**
- **Reduced lignin content; excellent palatability**
- **110 to 115 days to silage harvest**
- **Good drought tolerance**

SP1727 MS BMR

MEDIUM-FULL MATURITY

SP1727 BMR is a brown mid-rib forage hybrid with superior forage qualities and tonnage over other BMR products when properly managed. Its male sterile qualities will keep more nutrients in the stalk by not setting seed, making it a great choice for high energy silage or grazing. This hybrid is an excellent fit for dairies and can be placed throughout the U.S.

- **Brown mid-rib**
- **Male sterile for high sugar accumulation in stalks after heading**
- **Superior digestibility**
- **Excellent grazing potential**
- **90 to 120 days to silage harvest**
- **Good drought tolerance**

SS304

MEDIUM-FULL MATURITY

SS304 is a medium-full maturing, tall silage hybrid with high tonnage yield performance. Due to a high sugar content, stalks are very sweet and juicy. It reaches silage maturity quick enough to harvest as far north as Nebraska. It also has a high level of tolerance to anthracnose allowing it to move into the Southeast United States where it is perfect double crop fit. Plant height reaches 10-12 feet with very good standability.

- **High anthracnose tolerance**
- **High tonnage**
- **Sweet, juicy stalks**
- **High sugar content**
- **10-12′ tall**
- **Good standability**
- **Good drought tolerance**

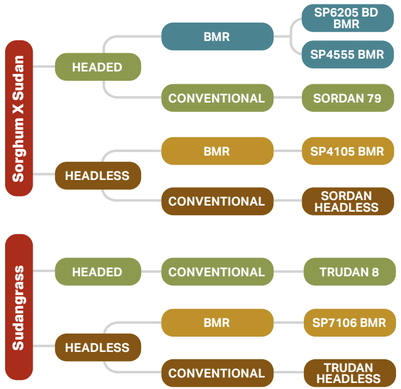
SS405

FULL MATURITY

SS405 is a late maturing, tall silage hybrid with high tonnage yield performance. Due to a high sugar content, stalks are very sweet and juicy. It is adapted for all but the shorter, cooler growing seasons in the Northern Great Plains and at higher elevations. In its northern area of use, it may not produce a head. Plant height reaches 10 to over 12 feet with very good standability. In some areas it is grown for biomass ethanol production.

- **High tonnage**
- **Sweet, juicy stalks**
- **High sugar content**
- **10-12′ tall**
- **Good standability**
- **Good drought tolerance**

Forage Hybrids Decision Tree



Trait Technologies

Forage sorghum trait technologies address issues such as yield, digestibility, feeding efficiencies and nutrients.

Brachytic Dwarf (BD) Trait

These hybrids have shorter internodes, overall reduced plant height, reduced lodging, while maintaining yield potential.

Brown Mid-Rib (BMR) Trait

A genetic trait that lowers lignin content for increased plant digestibility, which leads to higher feeding efficiency and less manure.

Photoperiod Sensitive (PPS) Trait

Photoperiod sensitive plants have a very wide harvest window to allow for maximum management flexibility.

PRODUCT RATINGS

		Hybrid Type	Seeds Per Pound	Relative Height	BMR	Yield (Tonnage)	PPS (Photoperiod Sensitive)	Early Growth Rate	Leafiness	Standability	Drought Tolerance	Stalk Sweetness	Anthracnose Tolerance
FORAGE SORGHUM	**SP4105 BMR**	Sorghum x Sudangrass	16,500	8-10'	Yes	2	Yes	2	2	4	3	U	U
	SP4555 BMR	Sorghum x Sudangrass	15,500	6-10'	Yes	4	No	2	3	4	3	U	U
	Sordan 79	Sorghum x Sudangrass	14,500	6-7'	No	3	No	2	3	4	3	U	T
	Sordan Headless	Sorghum x Sudangrass	16,500	8-10'	No	2	Yes	2	2	4	3	U	T
	SP6205 BD BMR	Sorghum x Sudangrass	15,000	5-7'	Yes	3	No	2	2	1	2	U	T
	SP7106 BMR	Sudangrass	25,000	7-9'	Yes	2	Yes	2	1	3	3	U	U
	Trudan 8	Sudangrass	22,500	4-6"	No	3	No	2	2	3	3	U	T
	Trudan Headless	Sudangrass	25,000	7-9'	No	2	Yes	2	1	3	3	U	T
	Millex 32	Pearl Millet	47,000	4-5'	No	4	No	5	1	3	1	U	T

Deviation from normal planting date, cultural practices and growing conditions may affect performance and cause variation in characteristics.

Ratings and descriptions are based on research and field observations from multiple locations over multiple years; comparisons with company products only.

Dough stage from emergence.

Seeds per pound may vary due to environmental influences during the production.

RATINGS 1-9

1=Excellent
5=Average
9=Poor

LEGEND

T=Tolerant
MT= Moderately Tolerant
HT= Highly Tolerant
S=Susceptible
U=Undetermined
NA=Not Available

SEEDING RATES

Growing Conditions	Sorghum x Sudangrass	Sudangrass
Adequate Moisture	20-25 lbs/acre	15 lbs/acre
Limited Moisture	15 lbs/acre	10 lbs/acre

SP4105 BMR

SORGHUM X SUDANGRASS PPS

SP4105 will not head under most conditions. It continues to grow and maintain its nutrient value in the leaves and stem until it is chopped or grazed thus extending the harvest time frame. SP4105 is a versatile sorghum x sudangrass that meets most summer forage needs and produces high quality forage for fast weight gain and/or increased milk production. It has a good leaf-to-stem ratio and is best used for hay, haylage and green chop.

- **Photoperiod sensitive (headless) and BMR**
- **Extended harvest window**
- **Best for hay, haylage, green chop**
- **Good leaf-to-stem ratio**
- **Provides good forage quality**
- **Excellent regrowth after harvest or grazing**

SP4555 BMR

SORGHUM X SUDANGRASS

This versatile brown mid-rib, sorghum x sudangrass can meet most summer forage needs. It is well-suited for use as emergency feed. SP4555 is best used for hay, haylage and greenchop. Other uses include grazing and ground cover. SP4555 has a good leaf-to-stem ratio that helps provide good quality with proper management.

- **Dependable summer forage with BMR**
- **Can be grazed**
- **Good for late summer planting**
- **Good leaf-to-stem ratio**
- **Best for hay, haylage, and greenchop**
- **Good forage quality**

Sordan 79

SORGHUM X SUDANGRASS

Sordan 79 is a versatile hybrid sorghum x sudangrass that can meet most summer forage needs. Sordan 79 is well adapted to difficult soil conditions like high pH and saline soils. Hay, haylage and greenchop, grazing and ground cover are all excellent uses of Sordan 79. Sordan 79's high yields make it a better economic choice over low cost sorghum x sudangrass hybrids that are on the market.

- **Dependable summer forage**
- **Good for late summer planting**
- **Best for hay, haylage, and greenchop**
- **Can be grazed**
- **Good leaf-to-stem ratio**
- **Good for alkaline soils (salt tolerant)**
- **Can be used in rotation to reduce nematode populations**

Sordan Headless

SORGHUM X SUDANGRASS PPS

Sordan Headless can expand the window for usage because it will not head under most conditions. Sordan Headless continues to grow and maintain its nutrient value in the leaves and stem until it is chopped or grazed. It is well-suited for use as emergency feed. This hybrid is best used for hay, haylage, and green chop. Other uses include grazing and ground cover. Sordan Headless has a good leaf-to-stem ratio.

- **Photoperiod sensitive (headless)**
- **Dual purpose: silage or hay**
- **Best for hay, haylage, and green chop**
- **Extended harvest window**
- **Good leaf-to-stem ratio**

SP6205 BD BMR

SORGHUM X SUDANGRASS

SP6205 BD BMR is a sorghum x sudangrass hybrid that has both the brown mid-rib and brachytic dwarf genes which improve standability and forage quality. This hybrid is best used for hay, haylage, grazing, and green chop.

- **Brachytic dwarf for high leaf to stem ratio**
- **Brown mid-rib produces excellent quality grazing hay**
- **Excellent standability**
- **High tillering capacity that leads to increased yields**
- **Good seedling vigor**
- **Excellent regrowth after haying or grazing**

SP7106 BMR

SUDANGRASS PPS

SP7106 is a widely-adapted BMR sudangrass hybrid. Because it is PPS (photoperiod sensitive) it will not head under most conditions providing great harvest flexibility. SP7106 can tolerate high cutting frequencies or intensive grazing. This hybrid has very fine stems and high leaf-to-stem ratio and produces high quality hay or haylage.

- **Photoperiod Sensitive (headless) BMR**
- **Good yield potential in a Sudan X Sudan hybrid**
- **Very high leaf to stem ratio**
- **Quick regrowth for multiple cuts**
- **Suitable for grazing, haylage, or dry hay**

Trudan 8

SUDANGRASS

Trudan 8 is an exceptional hybrid for most summer forage needs. It is best for hay, haylage and grazing, greenchop and cover. Very leafy and fine stemmed. Fast regrowth after cutting or grazing. It adapts well and tolerates high cutting frequencies and intensive grazing with proper management. Produces exceptional forage quality, that is high in protein and feed value. Prussic acid potential is low.

Potato & veg. growers - Trudan 8 suppresses nematode populations when incorporated as green manure in the fall, after it is stressed (e.g., after first frost or ceasing irrigation).

- **Excellent quality summer forage**
- **Very good leaf-to-stem ratio**
- **Best for hay, haylage, and grazing**
- **Tolerates high cutting frequencies**
- **Adapts well to intensive grazing**

Trudan Headless

SUDANGRASS PPS

Trudan Headless is an exceptional hybrid sudangrass for most summer forage needs. It can be used for hay, haylage and grazing. Other limited uses include greenchop and as cover. Trudan Headless is finer stemmed and leafier than Sordan Headless. Regrowth is fast after cutting or grazing. It adapts well to and can tolerate high cutting frequencies and intensive grazing practices with management. Exceptional forage quality can be produced that is high in protein and digestible fiber. Prussic acid potential is low.

- **Photoperiod sensitive (headless)**
- **Extended harvest window**
- **Best for hay, haylage and grazing**
- **Tolerates high cutting frequencies**
- **Adapts well to intensive grazing**
- **Fine stemmed and leafy**

Millex 32

PEARL MILLET

Millex 32 is a hybrid pearl millet that produces high quality forage that is lush and leafy. This hybrid works in hot, dry conditions and is well-suited for light, sandy soils where drought is common. Millex 32 is well-suited for summer grazing or hay and greenchop. Millex 32 is a great horse feed as a result of its commonly low prussic acid content.

- **Dependable summer forage**
- **Drought tolerant**
- **Quality horse feed; low prussic acid risk**
- **Works in light, sandy soils**
- **Best for grazing and pasture**
- **Lush, leafy foliage**

Alfalfa Partners®

Since 1980 S&W Seed Company has bred alfalfa seed of the highest quality with superior genetic traits. With the unique ability to grow in challenging soil conditions and generate outstanding crop yield, S&W quickly became an industry leader.

Our specialty is high-yield alfalfa varieties focused on maximizing profit per acre for the farmer, regardless of soil and water salinity. Starting in 2010, we dramatically expanded both the acreage dedicated to alfalfa production and our R&D focus to include dormant and biotech varieties. Our breeding and product development emphasizes high yield, forage quality improvement, persistence, and disease and pest resistance.

We continue to stay abreast of important trends, helping farmers combat today's farming challenges and supplying superior seed for alfalfa hay, the "queen of forages," all the while keeping an eye on sustainable solutions for tomorrow.

Expanding Products and Programs

In 2012, S&W acquired Imperial Valley Seed to expand production in this rich California growing region and in 2013, Seed Genetics International (SGI) was acquired, further expanding production capabilities into Australia.

In late 2014, we acquired Pioneer's alfalfa breeding program and conventional alfalfa germplasm—providing a strong germplasm base that goes all the way back to 1958. Alfalfa Partners brings you top-performing alfalfa varieties developed through a long breeding legacy, at a more affordable price with a better value proposition than established national brands.

All along our mission has been to help cattle and dairymen produce the best alfalfa hay for their herds. So, in 2019 we branded our product line as Alfalfa Partners, to embody the essence of our mission and our accomplishments over the last 40 years.

Our Germplasm Improvement Program Delivers

- Outstanding root rot tolerance for areas with variable soils
- High-yielding varieties with emphasis on disease and pest resistance
- Increased emphasis on forage quality improvement
- Salt tolerant varieties spanning FD4 through 9 with proven performance
- Proven performance in both saline and non-saline soils
- Dormant and non-dormant breeding programs with a lifetime of germplasm improvement
- Dedicated seed production locations in the US and Australia

Our dormant alfalfa breeding program involves screening, crossing, and classification for each new variety. In each phase, teams in Nampa, Idaho and Keith, South Australia are busy year-round in the field or greenhouse settings. A typical variety can take 5 to 18 years to produce, depending on the methodology or traits being developed.

We conduct extensive testing across numerous environments for yield, forage quality, yield stability across environments, dormancy, tolerance to lodging, and regrowth from cutting. We also test up to 18 types of pest resistance, such as phytophthora root rot, aphanomyces root rot, and stem nematode. Each of our commercial varieties has been developed through this same process of germplasm improvement, characterization for agronomic and pest ratings, yield, and winter hardiness—for the highest productivity in your fields.

Our Team is Focused Solely on Alfalfa

Our team is comprised of seasoned alfalfa experts with decades of experience. We are dedicated to your success and available to help in any way we can. Customers have access to our experts for questions on products, crop management, agronomy, sales, and service.

IQA™, the Next Innovation

Our future alfalfa varieties will soon include IQA™, a reduced lignin alfalfa quality trait, achieved through gene editing. It's integrated into elite alfalfa germplasm for both yield and improved forage quality performance. Growers may have the flexibility to harvest later on without the typical rate of reduction in forage quality that occurs with conventional varieties, or they can cut on their normal schedule to potentially capture higher RFQ and increased fiber digestibility. alfalfa. This can offer an extended harvest window with improved forage quality. Please consult with Alfalfa Partners for availability in your region and whether your specific growing environment may be sensitive to a gene-edited trait.

ALFALFA PARTNERS

Rugged Rancher®

FALL DORMANCY 3

Rugged Rancher alfalfa has excellent persistence under a wide range of growing conditions and environments. It is a great choice for rotational grazing or hay production due to its dependable yield and relative feed quality.

- **Excellent persistence under a wide range of growing conditions and environments**
- **Great choice for rotational grazing or hay production**
- **Dependable yield and relative feed quality**
- **Includes branch-rooting alfalfa for its ability to persist**
- **Extremely winter hardy**
- **Resistant to many major pests and diseases**
- **Good overall choice for fields with variable soils**

SW3407

FALL DORMANCY 3

SW3407 is a high yielding FD3 variety that produces excellent quality forage. It has good standability and an excellent disease resistance index (DRI). SW3407 parents were selections based on half-sib yield performance evaluations to determine breeding value. Half-sib clonal parents were evaluated for forage quality and persistence over a period of years following inoculation with main alfalfa disease organisms.

- **Suitable for wet soils because of its exceptional resistance to multi-race aphanomyces root rot**
- **Consistent top yields of dairy quality hay**
- **Excellent forage quality combined with good lodging tolerance for overall yield, cutability, and quality**
- **Winter hardy fall dormancy 3 with consistent high yield often near the top of yield trials with later FD4 varieties**

SW404S™ Brand

FALL DORMANCY 4

SW404S is a blend of S&W alfalfa germplasm containing an elite salt tolerant variety along with high-yielding, winterhardy conventional alfalfa. Broad adaptability to both saline and non-saline growing conditions. Adapted to Plains and Western US FD4 growing areas.

- **Good establishment, yield and stand longevity in fields where irrigation water /soil contains moderate salt concentration**
- **Highly suitable for fields with saline areas**
- **Adaptable where winter and spring precipitation drive salts down, but irrigation water applied later in the season has moderate salinity**
- **Includes a fall dormant salt tolerant variety bred in saline conditions, with the ability to maintain improved production**
- **Best-suited to fields with moderate or variable saline conditions where a majority of the field has only moderate salinity**
- **In fields with large areas of high saline content and/or persistent saline growing conditions, SW4618S is a preferred alternative for more yield retention**

SW4107

FALL DORMANCY 4

SW4107 is broadly adapted with a wide germplasm base. It is highly resistant to seven major alfalfa pests and is well-suited to fields with variable drainage where root rot resistance is needed.

- **Wide germplasm base for broad adaptability**
- **Top group placement in many University yield trials**
- **35/35 DRI makes SW4107 highly resistant to 7 major pests, including multi-race aphanomyces**
- **Well-suited to fields with variable drainage where root rot resistance is needed**
- **Consistently performs above average to produce good quality forage**
- **Grows well in a wide range of soils**
- **Highly adaptable to the northern half of the U.S. and Canada, whenever fall dormancy 4 is suitable**

SW425™ Brand

FALL DORMANCY 4

SW425™ Brand is a blend of S&W proprietary alfalfa varieties chosen for their combined suitability for high yield potential of good quality forage. This variety is highly resistant to most major diseases and well suited throughout US growing areas where FD4 is desired.

- **Good choice where medium fall dormancy is desired along with good winter hardiness**
- **Bred using traditional plant breeding methods**
- **Varieties are medium fast recovery type that can be highly suited for quick regrowth for hay production**
- **Highly suitable in western environments where stem nematodes can be a concern**
- **Highly resistant against stem nematode, important in irrigated production when the water source includes tail-waters from infested upstream fields**
- **Formulated for high resistance to verticillium wilt, phytophthora root rot and anthracnose**
- **Well-rounded overall package of pest and disease resistant alfalfa germplasm**

SW4515 NEW!

FALL DORMANCY 4

SW4515 is a FD4 variety with high yield potential and high resistance to stem nematode. This alfalfa variety has excellent overall disease resistance, plus high resistance to stem nematode for the northwest.

- **Solid agronomic characteristics, good overall disease resistance, plus very good winter-hardiness**
- **Highly resistant to seven major alfalfa pests and diseases for a solid 35/35 DRI score, including multi-race aphanomyces**
- **Resistant to spotted aphid and pea aphids**
- **Good resistance to lodging, similar to SW5909 for lodging resistance**
- **Broad-based parentage includes germplasm from lodging resistant breeding lines**
- **High resistance to stem nematode for the northwest, especially well-suited for surface irrigated fields where stem nematode can come from irrigation canals**

SW4618S

FALL DORMANCY 4

SW4618S is a high-yielding, fall dormancy four variety, bred in saline growing conditions and selected for the ability to maintain improved production of hay in saline soils.

- **Well adapted to Western US FD4 growing areas with salinity challenges in soil or irrigation water**
- **Relative Feed Quality (RFQ) is above average, 102% of the mean versus RFQ of elite check varieties.**
- **Yield is 97% of the mean under non-saline growing conditions, but demonstrates 12% more yield retention in moderate to strong saline growing conditions, versus the standard check variety.**
- **Highly suitable for growing areas that obtain 3-4 cuts per season**
- **Suitable for saline soils where irrigation water and/or soil contains moderate salt concentration**
- **Maintains good yield in saline growing conditions, of high quality and quantity of hay or haylage**

SW5213

FALL DORMANCY 5

SW5213 is a high-yielding variety, with consistent performance and broadly adapted for growers with aggressive cutting frequencies for maximum yield and quality. SW5213 has a highly resistant rating against nine major alfalfa pests and diseases.

- **Broadly adapted late fall dormancy helps maintain late summer yield**
- **Highly resistant to nine major pests and diseases for a solid 35/35 DRI score, including multi-race aphanomyces**
- **High resistance to stem nematodes – can be important in irrigated situations where water source includes tail waters from infested upstream fields**
- **Well suited for soils with variable drainage due to its strong root rot resistance to phytophthora and multi-race aphanomyces**
- **Excellent overall root rot resistance contributes to persistence**

SW525LH™ Brand

FALL DORMANCY 5

SW525LH™ Brand is a leafhopper resistant, high yield variety with excellent pest resistance: high resistance to potato leafhopper, phytophthora, and multi-race aphanomyces. An excellent choice for the Midwest, Plains and Northeast where leafhoppers can be a pernicious pest on a yearly basis.

- **High yield potential to rival elite conventional varieties**
- **Good organic production**
- **Excellent pest resistance for most North American environments**
- **Highly suitable to all areas where leafhoppers can be a significant pest**
- **Excellent winter hardiness**
- **Very suitable for 3-5 high yield cuts of quality hay production**
- **Highly suitable to heavy soils where root rots are a concern**
- **Best overall control of potato leafhoppers in alfalfa**

SW5615 NEW!

FALL DORMANCY 5

SW5615 is a very high-yield potential, fall dormancy 5 variety with a strong performance record in research trials across a wide area. The combination of excellent winter survival index and strong disease resistance gives SW5615 a leg up on stand persistence.

- **SW5615 is highly resistant to nine major alfalfa pests and diseases, for a solid 35/35 DRI score, including multi-race aphanomyces**
- **Winter survival index of 1 – extremely winter-hardy**
- **High resistance to phytophthora & aphanomyces root rots, multiple races and biotypes**
- **High resistance to stem nematodes**
- **SW5615 is an excellent replacement for Pioneer 55V50 with increased yield and forage quality**
- **SW5615 is a superb choice for overall yield, forage quality and stand persistence**

Dormant Alfalfa

SW8421S

FALL DORMANCY 8

SW8421S is a non-dormant FD8 variety that produces high yields of high quality hay. Bred under very saline conditions, it has the ability to maintain much of its high yield potential even in saline production situations. It is a strong choice for fields with salinity build-up.

- **Highest yielding salt tolerant variety in multiple University trials**
- **A strong choice for fields that contain slick or sodic soils, and also for situations where deficit irrigation could lead to salinity build-up**
- **Using irrigation water with an Electrical Conductivity (EC) rating of 15 (very salty water), SW 8421S out-produced both the standard salinity check entry (AZ-90NDC-ST) and Salado by 39% and 32% respectively in University of Arizona salinity trials at Tucson**
- **Produced 18% more hay than CUF 101 in the UC trials in Fresno County, California and 17% more than CUF 101 in Tucson, Arizona**
- **Alfalfa growth is erect with rapid recovery after cutting**
- **Stand persistence at the end of 3 year trial in Tucson, Arizona was 96%, compared to CUF 101 variety at 61%**

SW9720

FALL DORMANCY 9

This FD9 variety has a very wide area of adaptation with above average forage quality, and is tolerant to salty irrigation waters and saline soils.

- **Wide area of adaptation**
- **Tolerant to salty irrigation waters and salty soils**
- **Highest yielding alfalfa in UC Davis Trial of 48 non-dormant entries for 2008**
- **8.3% higher yield than CUF101 at University of Arizona trials**
- **Leader in yield and feed quality at the USDA salinity laboratory trials; alfalfa and other forages were under salt water irrigation management at Riverside, CA**

SW9813S

FALL DORMANCY 9

SW9813S is our salt tolerant non-dormant variety with high yield potential in both saline and non-saline soil conditions. This variety's high resistance to aphids contributes to its strong forage production abilities.

- **Proven performance in U of CA Westside Alfalfa Salinity Trials**
- **High yield performance potential, in both saline and non-saline soil conditions**
- **Selected under extreme saline conditions in the west side of the San Joaquin Valley**
- **Very good germination salt tolerance plus strong forage production salt tolerance**
- **Very good overall aphid resistance including blue aphids, pea aphids and spotted aphids**

	PRODUCT RATINGS	Dormancy	Yield	Winter Survival	Anthracnose	Aphanomyces Race 1	Aphanomyces Race 2	Phytophthora Root Rot	Bacterial Wilt	Fusarium Wilt	Verticillium Wilt	Pea Aphid	Spotted Aphid	Blue Aphid	Stem Nematode	Root Knot Nematode	Salt Tolerance
DORMANT ALFALFA	**Rugged Rancher®**	3	6	1	R	R	MR	HR	HR	R	R	MR	MR		HR		
	SW3407	3	9	2	HR	HR	HR	HR	HR	HR	HR	R	R		R		
	SW404S™ Brand	4	8	2	HR	R	R	HR	HR	HR	R				R		ST
	SW4107	4	9	2	HR	HR	HR	HR	HR	HR	HR	R	R		R		
	SW425™ Brand	4	8	2	HR	HR	HR	HR	HR	HR	HR	R	R				
	SW4306	4	9	2	R	HR	HR	HR	HR	HR	HR	R	HR		HR		
	SW4412Y	4	8	2	HR	HR	HR	HR	HR	HR	HR	HR	R		HR		
	SW4515 NEW	4	9	2	HR	HR	HR	HR	HR	HR	HR	R	R		HR		
	SW4618S	4	8	2	HR	HR	LR	HR	HR	HR	R				R		ST
	SW5213	5	9	2	HR	HR	HR	HR	HR	HR	HR	HR	R		HR		
	SW525LH™ Brand	5	8	2	HR	HR	HR	HR	HR	HR	HR	HR	R		R		
	SW5615 NEW	5	9	1	HR	HR	HR	HR	HR	HR	HR	R	R		HR		
NON-DORMANT	**SW8421S**	8	9					R	HR	HR		R	HR	R		R	ST
	SW9720	9	9					R	MR	R		HR	HR	R	MR	HR	ST
	SW9813S	9	9					R	R	R		R	R	HR	MR		ST
	SW10	10	9					R	MR	R		HR	HR	HR		R	

FALL DORMANCY
1 = Most Dormant
10= Least Dormant

YIELD
1=Lowest Yield
9= Highest Yield

WINTER SURVIVAL
1=Extremely Hardy
2= Very Hardy
3=Hardy

PEST AND DISEASE
HR = Highly Resistant
R = Resistant
MR = Moderately Resistant
LR = Low Resistance
S = Susceptible

BLANK SPACE
Blank = Insufficient Data or Not Applicable

650

SORGHUM
PARTNERS
NK300

Scan the QR codes for more information including where to buy, product videos, and more.

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