

You Say

'Why Summer Annuals?'

We Say

'Why Not?!?'



AS9301



AF7401

- **Highest Biomass for Growth Window**
- **Highly Versatile**
- **High Energy Forage**
- **Maximize Summer Sun**
- **Improved Rotations**

SUMMER 2019

Seasonal Product Information Guide



King's AgriSeeds Inc.

FEEDING YOUR FARM'S FUTURE.

Forage Sorghum, Sorghum Sudan, Sudangrass

Droughty Ground? Deer Concerns? - Forage Sorghum!

An excellent choice for one direct cut systems (like corn silage) on marginal corn ground or after double crops. Uses 30 to 50% less water than corn and less nitrogen too. BMR trait has improved forage sorghums dramatically, and they are now considered an excellent dairy feed. Energy levels are comparable to corn and protein levels are around 10 or 11%. Sugar levels are also very high.

ADV F7232

NEW!

- Medium relative maturity.
- 95-100 days to soft dough.
- Brachytic dwarf genetics provide stout stalks for excellent standability.
- BMR-6-midrib—exceptional NDFd30.
- Direct Chop or Boot Stage Harvest.

Direct Chop

- **AF7401**—110-115 days—Brachytic Dwarf / BMR.
- **AF8301**—100 days—Brachytic Dwarf.

Cut and Wilt

- **AF7101**—82-85 days —BMR.
- **AF7201**—90-95 days—BMR.



Unique Management Concerns? Sorghum X Sudan!

If allowed to grow to its full height, these products can reach 6-8 feet. They have smaller stalks than Forage Sorghum and strong tillering with good re-growth potential but less than sudangrass. Should be harvested as haylage or baleage. Great for grazing also!

“Whenever I feed my cows KF SugarPro 55, whether grazing or fed as silage, the butterfat in my cows goes up”

*-Remington Perkins
Dairy Producer in WV*

- **ADV S6504**—BMR / photo-period sensitive.
- **AS5201**—Quick cover, non BMR.
- **AS6401**—BMR / disease resistant.
- **AS6501**—BMR / photo-period sensitive.
- **KF Sugar Pro 55**— BMR / dry stalk.

Fast Drying, Outstanding Regrowth - Try a Sudangrass!

Has finer stalk, more tillering, and produces higher leaf to stem ration than forage sorghum or sorghum sudan. It has excellent regrowth potential and high yields. Can be harvested for dry hay, fermented forages or grazed.

- **AS9301 Sudangrass**—BMR / dry stalk.
- **AS9302 Sudangrass**—BMR / Brachytic dwarf / dry stalk.



NO Prussic Acid - NO Aphids - Safe for Horses—Millet

Similar to sorghum sudans with no danger of prussic acid. Millet needs a soil temperature of 65 degrees or more to germinate; Growth slows down when cool weather comes. Frost kills it, but it can still be grazed with no fear of prussic acid. It will tolerate wetter summers better than sudangrass. Like sorghum sudans, it can use lots of nitrogen. Safe for grazing for both horses and mules.

- **KF Prime 180 & 360**— Dwarf BMR with excellent regrowth and top end yield potential.
- **Wonderleaf Pearl**—Leafy hybrid pearl millet. Non BMR.

"I turned heifers out into a pasture with sections of Tifleaf 3 and Prime 180. They finished the BMR before they moved to the Tifleaf."

- Larry Hadden, Beef Producer



Did you know? *KingFisher is a shared brand of King's AgriSeeds, Byron Seeds and Southeast AgriSeeds. Together we work to bring you the best products on the market.*



Looking for a Fine, Dry Hay in the Summer? -Check out Teff!

A very small seeded warm season grass that has fine leaves and stems. Native to northern Africa, it tolerates many soil conditions. Will make a very palatable dry hay that livestock and horses love.

- **Moxie**—High yielding variety that is coated with Yellow Jacket coating.
- **Corvallis**—Medium maturity variety with high yields.



Summer Legumes, Brassicas

PROTEIN? *It's cheaper to grow protein at home than add it through purchased inputs.*

PLUS.....Nitrogen.

Summer annual legumes provide a high protein source for grazing and are rapid nitrogen producers as cover crops.

BALADY BERSEEM

An annual clover that resembles alfalfa.

IRON & CLAY COWPEA

Summer annual legume for cover crop or forage. Can easily be mixed with other summer annuals.

SUNN HEMP

Summer annual legume cover crop. Can be used for vegetative grazing.



PLUS...Extended Grazing. Check Out Brassicas!

Use to extend the grazing season into the late fall and early winter, or to provide very high quality summer or fall grazing, as they will not lignify in the hot weather. Brassicas can be seeded in a variety of mixtures and the seeding rate is quite low in both straight stands and mixtures because their leafy growth habit can be very competitive in a stand. Brassicas high forage quality helps cows pick up in milk. Oftentimes cows will be a little bit more hesitant to try brassicas out in the field and may not try it for the first day or two, but once they do- they will love it. It's like candy to them! Introduce them slowly and make sure to supplement with adequate fiber to slow the rate of passage. Brassicas are low in fiber.

BARKANT TURNIP

A leafy variety with a tankard shaped bulb.

BARSICA RAPE

A forage rape that is fast maturing. Overwintering variety.

T-RAPTOR

A turnip-like hybrid that is super for multiple grazings. No bulb.

Dealer Spotlight– Knowledge, Ability, Service

Productive Farm Products– Dale Stoltzfus & Burnell Weaver

Dale Stoltzfus and Burnell Weaver manage Productive Farm Products in a partnership which formed in 2015. The mission of Productive Farm Products is to help each individual farm to be more profitable. All of the owners and employees, which includes Ken Kratz and Lewis Nolt take great satisfaction out of serving their customer's needs and are constantly looking for opportunities to fill those needs more fully. Operating on the philosophy of "if our customers are not profitable neither can we be", Burnell and Dale focus on listening to their clients and identifying needs they express. From this close interaction they have added products and services that fit their customers needs. Their lineup of products and services includes: agricultural seeds, specialty and commodity fertilizers, and assisting growers with drying and marketing grains (including grain sorghum), and production of cover crop seeds.

Productive Farm Products has completed all requirements for the King's KAS Dealer Certification Program.

POOR SOIL? *Improve it with one of these great soil building mixes!*

RAY'S CRAZY SUMMER

A versatile warm-season mix that is made up of a diverse variety of stress tolerant summer annuals—cowpea, sorghum-sudans, pearl millet, radish, forage brassica and sunflower—and can be used as a short-term cover crop, a soil building transition crop to renovate depleted soils, a smother crop, a grazing mix, and a wild-life food plot. Also contains several blooming species that, if left to grow and flower, will attract beneficial insect species. Beneficial for both no-till and conventional-till management.



SUMMER SOLAR

A diverse legume-forb cover crop mix of aggressively growing summer annuals, with possible dual use as a wildlife food plot. The mix includes four very different components—buckwheat, cowpeas, sunflower and, sunn hemp. These species work together to perform several functions during their brief growth period. Both conventional and organic growers will find this a useful break crop in between spring and fall crops that builds soil nitrogen levels and attracts pollinators and other beneficial insects. It can also be used in farmscaping strips to draw beneficials throughout the season.

SUMMER FEAST

A high energy summer grazing or wildlife food plot mixture. Millet balances out the rich brassica with effective fiber, which slows rate of passage through the rumen. The two species provide a multi-level and more diverse warm weather forage, and the different growing habits complement each other well. Both species can uptake and use nitrogen quite well. This mix can be a good way to renovate a pasture.

3 SEED STARTER PRODUCTS - *Get them off to the right start!*

Myco Seed Treatment MST — An all natural, non-GMO seed treatment that increases seedling vigor and overall plant health through a healthier root zone. OMRI Approved.

GroPak — Hopper box seed treatment that replaces talc and graphite and speeds plant establishment. Contains S, MN, Mo, and Zn. Not approved for organic use or transitioning into organic.

GroPak SB — A soybean hopper box seed treatment that replaces talc and graphite, speeds plant establishment and stimulates lateral root branching. Contains Fe, S, Mn, Mo, Zn Bradyrhizobium japonicum, and Tricoderma virens. Not approved for organic use or transitioning into organic.

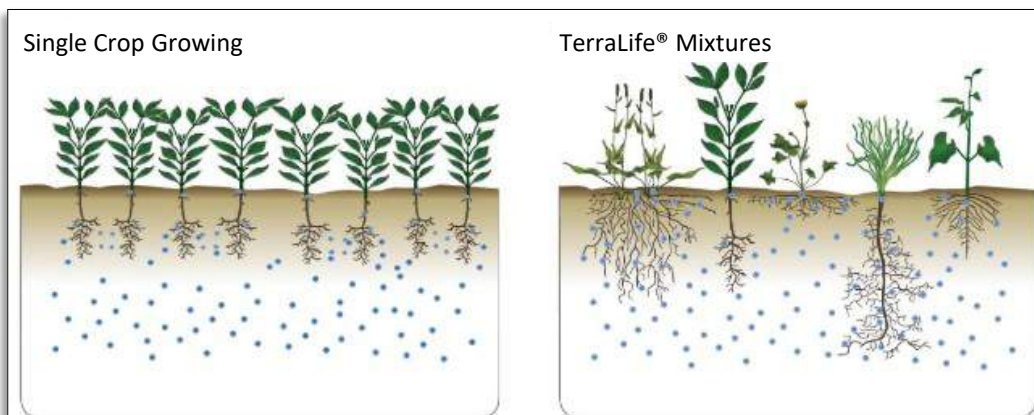
Check it out— agxplore.com/product/gropak/



GroPak
with AgXplore's proprietary blend

TerraLife® Mixtures

Developed by DSV, a German company to improve soil structure, fertility and overall soil health and productivity. All mixes include a proportion of quick-growing species to effectively suppress weed growth. The species diversity creates excellent biodiversity and maximum variation in root development to ensure good soil penetration.



It's all about diversity. Chart illustrates the effect of multiple root types and structures and the positive impact to soil life.

What makes TerraLife® different?

- Mixed rooting structures, restructure the soil at all levels through the profile, alleviating compaction.
- Produces a greater amount of various root exudates for enhanced microbial activity and humus production.
- Mobilizes nutrients, supplies nutrients to other plants in the mixture and following crop.
- Increases biodiversity.
- Suppresses weeds.
- Reduces nutrient losses via soil erosion or leaching.
- Enhances the landscape with flowers.

BetaMaxx

The cover crop mix for vegetable and sugar beet cultivation

- Freezes off reliably.
- Creates ideal seed bed conditions.

MaizePro DT

Balanced, partly winter hardy cover crop for intensive corn crop production.

- Leaves optimal soil structures.
- Supports deep roots.
- Very good nitrogen exploitation.

Rigol DT

Strong root growth stabilizes the soil structure.

- Very deep roots.
- For compacted soils.



Pictured is a TerraLife® mixture at a field day in NY. We are committed to soil health education improvement.

Bring in the Bees

Increase your biological diversity from the soil to the air!

Why draw more insects to the field?

Most row crop fields are acres upon acres of monoculture. If these crops are grown to bloom stage, they will provide food for vitally important pollinators for a very short time, and the single plant species creates food for limited insect species. You can use mixes of flowering annuals or perennials to create a living refuge on the farm with abundant sources of nectar and pollen. This attracts diverse species of beneficial and predatory insects including: spiders, micro-wasps, minute pirate bugs, tachinid flies, lacewings, syrphid flies, ground beetles, stingless mini-wasps, big eyed bugs, praying mantises, honey bees, ladybugs, and butterflies. In addition, there are about 4,000 species of wild bees in the US that can be attracted by various blooming species. Both honeybees and wild bees are important agricultural pollinators. You'll also see an increase in bird species in the area that will feast on the bugs that are attracted to the pollinator planting. You'll raise your level of biological diversity across the whole spectrum from the soil to the air!



CLOVER POLLINATOR MIX **NEW!**

A blend of 6 different clovers, designed to provide constant blooms over the growing season. The consistent blooming will help draw in beneficial insects and other pollinators. Used in a honey producing setting.

SUMMER SOLAR MIX

A diverse legume-forb cover crop mix of aggressively growing summer annuals, with possible dual use as a wildlife food plot. The mix includes four very different components—buckwheat, cowpeas, sunflower, and sunn hemp.

Both conventional and organic growers will find this a useful break crop in between spring and fall crops that builds soil nitrogen levels and attracts pollinators and other beneficial insects. It can also be used in farm-scaping strips to draw beneficials throughout the season.

PEREDOVIK SUNFLOWER

Black sunflower can grow from 2 to 5 feet high forming small heads full of black seed high in oil content. The seed makes excellent feed for all game birds, especially doves. The plants are highly preferred by deer when they are young and still growing

They are best suited as one component of a cover crop mix, and draw bees, other pollinators, and birds to the field.

SUPERBEE PHACELIA

Phacelia offers fast, early development for quick, competitive canopy. It spreads very quickly across the ground and restricts the growth of weeds. It's excellent for beneficial insects and works well as a cool season soil builder.



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Alta Seeds is the premium seed brand of Advanta Seeds US, an operating unit of global seed company Advanta Seeds. Alta Seeds provides farmers with high-quality hybrids of grain sorghum and sorghums for forage bred from the proprietary genetics of Advanta Seeds. King's AgriSeeds has partnered with Alta Seeds to bring you industry leading sorghum, sorghum sudan and sudangrass products that are suited for northeast forage production!

Tyson Meador, Alta Representative joined us at our 2018, 25 year anniversary event

