

DSV Product Information 2026



www.dsv-seeds.com



Innovation for
your growth



As a breeding and seed company with 100 years of experience, we offer our customers innovative varieties and complex cultivation methods. Deutsche Saatveredelung AG (DSV) is a full-service provider for the entire agricultural crop rotation and turf grasses. We are a successful breeder of oilseed rape and cereals, as well as grasses and small-seeded forage legumes. Furthermore, we are specialists in cover crops and offer a wide-ranging maize portfolio as well as sorghum. We provide turf customers with several solutions, beginning with single varieties for all kind of turf use, high quality mixtures for professional or private use up to complete programmes for the do-it-yourself market. Our activities encompass not only the breeding and production of new varieties with the properties and combinations of features desired by our customers, but also expert advice, high-quality service and extensive marketing through a global distribution network. Working on the 'one-stop shop' principle, we are a full-service supplier in the seed sector.



DSV is certified at EU level to sell organic products (EU Regulation 2018/848)
DE-ÖKO-039

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Breeding is our passion

As an experienced seed company we are convinced that the future of farming lies in the ability to adapt to changing conditions. To this end, we use state-of-the-art methods to breed healthy, nutrient-efficient varieties and develop intelligent crop rotation systems, such as undersown crops, energy crops, forage crops and cover crops. In the grass seeds sector we tap into a wealth of expert knowledge on species and varieties to provide customised solutions.

All this is based on effective quality management which we call Integrated Quality (IQ) management. This approach encompasses all divisions of the company to implement one integrated and comprehensive quality assurance system that is based on high production standards. Our sales specialists listen to our customers and provide extensive and individual advice whilst keeping in touch with the breeders. They channel customer needs so these are taken into account as new varieties and solutions are developed.

DSV seed ensures high-quality yields and safeguards soil fertility. So that you can continue to farm in an economical and successful way under the current challenging conditions.



Oilseed rape bred by DSV – success as a result of innovation and tradition

We have been part of the success of oilseed rape (OSR) breeding in Europe since the 1960s, and have contributed substantially to the innovations that have been essential for the expansion of the crop. While OSR breeding technology has evolved over the decades, the goal is still the same: to deliver improved varieties for our customers' success. We offer a wide range of varieties to meet the needs of farmers all over Europe and beyond. Our European testing network ensures that we are able to identify the varieties from our global portfolio that are the optimum fit for local conditions anywhere.

Focused on hybrids

In our OSR breeding we are focusing on hybrids for more than 20 years. Apart from the higher yield achieved by hybrids, hybrid breeding allows us to introduce new disease resistances such as TuYV or clubroot more quickly than in the past. Thus, we are able to react quickly to changing farmers' needs.

International distribution

Depending on the country, our varieties are distributed under the DSV or RAPOOL brand. We are No. 1 in Europe in the Clearfield® segment and we are market leader in winter oilseed rape in the Czech Republic, Latvia, Lithuania, Estonia and Ukraine.

Breeding milestones



» Our spring oilseed rape breeding programme focuses on including modern traits like backleg, TuYV and pod shatter resistances combined with a broad range of maturities to develop hybrids with high yield stability in different growing regions worldwide. «

Inga Tetzner, DSV spring oilseed rape breeder

Winter oilseed rape hybrids

COGNAC

Top performer with Phoma Blocker

- Very good lodging tolerance
- Very good tolerance against LLS and Verticillium
- Mid-early flowering and maturity

COMMODORE

More flexibility during harvesting

- High grain yield, very high oil content
- Medium onset of flowering and late ripening
- TuYV, RLMS and LLS resistance with very good pod health

CREATE

The new creation of your security

- Improved CRE1 clubroot resistance combined with very good resistance traits
- Vigorous in autumn
- Full package of common disease resistances: TuYV, RLM7, PSR

CROMPUTER

Advanced clubroot genetics with strong disease package

- New CR genetic with TuYV resistance
- Excellent yields and high oil content
- Good stem health

DAHLIA

Convincing overall variety

- Robust and vigorous performer with broad adaptation
- Full package of well balanced agronomic traits (TuYV + RLM7)
- Adapted to late sowing dates

DOMPTEUR

Clean and green for high yields

- Included traits: TuYV, Phoma Blocker, LLS, POSH
- Very good yield stability among different environments
- Good lodging tolerance and good Verticillium tolerance

MANHATTAN

Skyscraper with healthy foundation

- Full package of resistance traits for high grain yields
- Adapted for early sowing dates
- Very good winter hardiness

ROMEO

Convincing performance throughout Europe

- Broad regional adaptation
- Vigorous youth development also under challenging sowing conditions
- Stable until harvest due to very good pod shatter resistance

ROYCE

Inspiring greatness

- Robust variety with late sowing adaptation
- Complete package of well balanced agronomic traits
- Flexible harvest time

TEFLON

Protective shell against rough conditions!

- Robust variety with a very good compensation capacity
- Late frost tolerance
- Flexibility at harvest

TEXAS

The next generation of plant health

- Stem stiff and healthy until harvest
- Vigorous in the development before and after winter
- Early flowering and medium maturity

TRAVOLTA

Get the groove on your fields!

- High grain yielding variety with early flowering maturity
- Broad regional adaptation
- Very good pod shatter resistance



Winter oilseed rape hybrids



BEATRIX CL

The new generation of Clearfield WOSR

- Strong package of disease resistances (RLM7 + TuYV)
- Pod shatter resistance
- Very strong early vigour

MATRIX CL

Proven Clearfield genetic

- Closes the yield gap to conventional hybrids
- Very good resistance against Phoma, combined with pod shatter resistance
- Healthy until harvest

FANGIO CL

The quick starter with very early maturity

- First ever listed RUNNER hybrid within EU
- RLM7 phoma and pod shattering resistance
- Very early in flowering and maturity
- Adapted for late sowing dates

NEW!



HOLL refers to a range of winter oilseed rape varieties with a High Oleic and Low Linolenic (HOLL) fatty acid oil profile. It was achieved by conventional breeding methods to provide an oilseed rape oil with a specific fatty acid profile benefiting food processors, foodservice operators and consumers.

V386 OL

Newcomer with strong quality

- Excellent oil quality (oleic acid ~80 %, linolenic acid <3 %)
- Good yield level

PHOENIX CL

Fits to all types of soil and tillage systems

- Develops very vigorous in autumn and is adapted to mid-early to late sowing dates
- Very good winter hardiness and drought stress tolerance

SIMPLEX CL

Excellent plant health combined with strong early vigour

- Very good winter hardiness
- Excellent disease and pod shatter resistance
- Excellent resistance to biotic and abiotic stress factors

Spring oilseed rape hybrids

LAGONDA

NEW!

- Very high grain and oil yield
- Excellent lodging resistance
- Medium flowering begin and medium to late harvest date

LAKRITZ

- Excellent stress tolerance and vigour
- Medium-late flowering and maturity
- Very high oil content

LUMEN

- Compact plant type with excellent lodging resistance
- Very vigorous juvenile development
- Excellent yield stability over all regions



CHARACTER CL

- Medium maturity and stable yield performance
- Good lodging resistance

CHIP CL

- Vigorous plant growth and robust early development
- Early maturity and very high yield potential

COLETTE CL

- Mid early maturity
- Highest oil yields

DLE24901S21 (CORDOBA CL)

NEW!

- First DSV pod shatter resistant spring OSR
- Combines high yields with strong harvest flexibility
- Clubroot tolerance

RLM7 = Phoma resistance gene
 TuYV = Turnip yellows virus
 LepR1 = Phoma resistance gene
 LLS = Cylindrosporium
 POSH = Pod shatter resistance
 PNN = Post neonicotinoid

More oilseed rape varieties



DSV cereal breeding – a story of success

Wheat and barley breeding

In our winter wheat breeding programmes the focus is on developing high-yielding varieties with well-balanced agronomic features, good resistance package and baking quality. In winter barley, varieties are selected mainly for the characteristics of yield, health, resistances, straw stability, winter hardiness and grain quality. Over the last twenty years, we have steadily expanded our breeding activities in cereals. In addition to the main seed breeding station in Leutewitz, Germany, DSV has now two other seed breeding stations in European key markets – in France and in the United Kingdom. Our own Europe-wide testing network allows the selective breeding of environmentally stable varieties suited to all of the major cereal growing regions in Western and Eastern Europe. DSV has also strong partnerships in spring wheat breeding.

International distribution

DSV is one of the market leaders in cereals in Germany and DSV varieties have been introduced to the market successfully in many other countries as well. Depending on the country, DSV cereal varieties are sold through wholly-owned subsidiaries or distribution partners.

Breeding milestones



» Plant breeding is the beginning of the agriculture value creation process. It means continuous development with the aim of making varieties more productive, robust and resource-efficient. «

Dr. Jens Vaupel, DSV winter barley breeder

Winter wheat varieties

AKTEUR E-quality

- Good quality characteristics and high specific weight
- Good HFN stability
- Longer straw, good standing ability
- Very suitable for late sowing

Distribution in: DE, RO

ARLINGTON BPS-quality

NEW!

- High specific weight and outstanding milling qualities
- Flexible drilling window
- OWBM and Pch1 eyespot resistance
- High yellow rust and septoria tritici resistance

Distribution in: UK

ARTIST B-quality

- Very high and stable grain yields, high specific weight
- Very good winter hardiness
- Medium to early ripening
- Short to medium straw length

Distribution in: EE, LT, LV, PL, UA

ASKABAN E-quality

- High and stable yielding E-variety
- Good standing ability and winter hardiness
- Well balanced disease resistance
- Good quality characteristics

Distribution in: EE, LT, LV, PL

ASPEKT A-quality

- Early type with good baking quality (A+)
- Stable and high yield in official trials
- Good winter hardiness, good to medium standing ability
- Good suitability after legumes, oilseed rape, maize and sugar beets

Distribution in: BY, EE, FI, LT, LV, PL, RO, UA

ATTRAKTION A-quality

- Stable grain yield and high specific weight
- Very good rust and mildew resistance
- Medium to early heading and medium ripening
- Good HFN stability

Distribution in: RO, SK

ATTRIBUT A-quality

- High yielding A-quality wheat
- Good lodging resistance
- Well balanced disease resistance
- High and stable HFN and specific weight

Distribution in: DE, LU

CHAMPION Gr.4-quality



- Very high yielding: Current Guinness World Record in yield
- Strong disease resistance package especially against septoria and rust
- Included resistance against orange wheat blossom midge (Sm1)
- Good suitability after different pre-crops and high flexibility in sowing time

Distribution in: BE, DE, EE, DK, IE, NL, LT, LV, UK

CIRCUS B-quality

- High yielding B-quality winter wheat
- Balanced variety profile
- Pch1 resistance gene against eyespot included
- Medium to good winter hardiness

Distribution in: EE, LT, LV, PL

CH COMBIN E-quality

- Early harvest, ideal as previous crop before oilseed rape
- Short, stiff straw
- Good baking quality
- Winter hard and drought tolerant

Distribution in: RO, SK, UA

Breeder: DSP AG, Agroscope

DAVINCI E-quality

- High quality single ear type
- Robust health package
- Medium ripening and good winter hardiness
- Balanced agronomic features

Distribution in: PL

DEBIAN B-quality

- Very high yielding B-quality winter wheat
- Earlier heading and medium ripening
- Balanced variety profile
- Orange wheat blossom midge resistance (Sm1)

Distribution in: BE, DE, DK, PL, UA

DIAMOND Bread-quality

- Bread making variety
- Rare combination of Pch1 eyespot resistance and Sm1 for orange blossom midge resistance
- Very good grain quality with a very stable HFN number and excellent protein content

Distribution in: UK

Winter wheat varieties

DJANGO BPS-quality

- French variety type with awns
- High yield stability under different conditions
- Early ripening
- Resistance to orange wheat blossom midge (Sm1)

Distribution in: DE, FR

ETANA A-quality

- High grain yield
- Stable quality due to the stable HFN, good protein content and high specific weight
- Good leaf and ear resistance
- Very good winter hardiness and stiff straw

Distribution in: BY, DE, EE, LT, LV, SE, SK, RU, UA

EXPO E-quality

- High treated and untreated grain yield for an E-quality wheat
- Good winter hardiness
- Well balanced disease resistance package
- Very good fusarium head blight resistance

Distribution in: CZ, HU, PL, SK

EXSAL E-quality

- High yielding E-quality wheat
- Awned type with high lodging resistance
- Strong resistance package
- Especially against yellow rust and fusarium head blight

Distribution in: AT, DE, HU, LU, PL, SK

GERLACH B-quality

- High yield potential
- High protein content and protein yield
- Medium ear emergence, medium maturity
- Good, balanced leaf health

Distribution in: PL, EE

JOKER A-quality

- High treated and untreated yield
- Medium straw length, with good lodging resistance
- Good leaf and ear disease resistance
- Good fusarium head blight resistance

Distribution in: PL, RO

AKTUS BPS-quality

- French variety type with high baking quality
- Very early ripening
- Sbm1, Sm1, Pch1, CTU tolerant
- Balanced disease resistance

Distribution in: FR

KARABOL BPS-quality

- French variety type
- Early ripening
- Good tillering capacity
- High resistance levels against septoria, yellow rust and mildew

KARDIGAN BPS-quality

- French variety type with awns
- High yield and early ripening
- Good baking quality
- CTU tolerant

Distribution in: FR

KAROQUE BPS-quality

- French variety type
- Early ripening
- Well rounded resistance package
- Good kernel quality and high protein content

Distribution in: CZ, DE, FR

MAXUS A-quality

- High yielding at treated and untreated conditions
- Mid-early ear emergence and ripening
- Short and lodging resistant
- Strong leaf resistance (Pch1 gene against eyespot included)
- Good kernel quality, high TGW, medium specific weight

Distribution in: CZ, PL

OXFORD Gr.4-quality

- Very high yielding hard feed wheat
- Strong disease resistance package especially against septoria and rust
- Included resistance against orange wheat blossom midge (Sm1)
- Medium ripening

Distribution in: UK

PATRAS A-quality

- High and stable treated yield
- Good leaf and fusarium head blight resistance
- Short to medium straw, good winter hardiness
- Good quality characteristics for an A-quality wheat

Distribution in: BY, CZ, DE, EE, LT, LV, PL, UA

POLARKAP A-quality

- Strong protein level for an A-quality wheat
- Strong resistance package
- Good kernel quality with high specific weight
- Medium ripening and good winter hardiness

Distribution in: BY, DE, EE, LT, LV

THALAMUS A-quality

- High yielding milling and backing wheat
- Medium heading and ripening
- Balanced resistance package
- High resistance against rust

Distribution in: AT, DK

Spring wheat varieties

AKVITAN A-quality*

- Mid-early variety with high TGW
- High and stable yield
- Balanced health
- Good lodging resistance

Distribution in: CZ, EE, LT, LV, PL

Breeder: LLA Triesdorf

BASTEI A-quality

- Strong yielding A-quality spring wheat
- Well balanced disease resistance
- Short length with good lodging resistance
- Medium to late ripening

Distribution in: EE, LT, LV

BROCA A-quality*

- High yielding, mid-late low input variety
- Strong performance also in autumn sowing
- Very healthy, short and resistant to lodging
- Suitable HFN stability and high TGW

Distribution in: DE, EE, LT, LV, RO

Breeder: LLA Triesdorf

CARLANDER A-quality

- Medium-early heading and ripening
- High TGW
- Good yield performance under different conditions
- Strong resistance especially against yellow rust

Distribution in: EE, LT, LV Breeder: LLA Triesdorf

CONTINENTAL E-quality

- Medium to long plant length but good standing ability
- Good baking qualities
- Good fusarium head blight resistance
- High yielding variety

Distribution in: KZ Breeder: DSP AG, Agroscope

KOSTANAI E-quality

- High yield potential
- Good disease resistance package
- Stiff straw, medium plant height
- Medium heading

Distribution in: KZ Breeder: DSP AG, Agroscope

LAUDATIO E-quality*

- High untreated and treated yield
- Suitable for low input and organic cultivation
- High fusarium and brown rust resistance
- High grain density with medium TGW

Distribution in: DE Breeder: LLA Triesdorf

SORBAS E-quality*

- Stable HFN, good protein content and high specific weight
- Medium ear emergence and ripening
- Excellent fusarium head blight resistance
- Balanced resistance profile

Distribution in: BY, EE, LT Breeder: LLA Triesdorf

TALLINN A-quality

- Early to medium ripening
- High yielding milling wheat
- Medium protein yield
- Well balanced leaf disease resistance

Distribution in: EE, LT Breeder: LLA Triesdorf

E, A, B, C, BPS, BP, BAU, Gr.1, Gr.2, Gr.3, Gr.4 = Wheat quality classes of the countries

*with the option for late autumn sowing

CTU = Chlortoluron

HFN = Hagberg Falling Number

TGW = Thousand Grain Weight

OWBM = Orange wheat blossom midge gene

Sbm1 = Soil born mosaic virus – resistance gene

Sm1 = Orange wheat blossom midge – resistance gene

Pch1 = Pseudocercospora – resistance gene

More wheat varieties



Winter barley varieties

We are very pleased that we are able to offer farmers resistant varieties which enable the cultivation of barley on sites with barley yellow dwarf virus (BYDV) or additional barley yellow mosaic virus (BaYMV type 2).

AVANTASIA 6-row

- High to very high grain yield
- Balanced agronomic characteristics
- BaYMV type 1 + 2 resistance
- Early heading and medium ripening

Distribution in: BE, CZ, RO

DEEPLO 6-row

- Winter barley with malting quality
- Good winter hardiness
- Short straw length
- Good lodging resistance

Distribution in: BY

ESPRIT 6-row

- Very high yield with easy handling
- Healthy leaf
- Lodging resistant and steam stiff
- High specific weight with top sorting

Distribution in: AT, BE, CH, DE, EE, LT, LV, PL, RO, UA

FASCINATION 6-row

- Tolerance to BYDV
- High to very high grain yield
- Balanced agronomic characteristics
- Early heading and medium ripening

Distribution in: AT, DE, EE, FR, LT, LV, UA

JULIA 6-row

- Well rounded resistance profile
- Record yielding in official trials
- Resistance to BaYMV type 1 + 2
- Good kernel quality

Distribution in: AT, BE, CZ, DE, EE, FR, PL, LT, LV, UA

LORETTA 6-row

NEW!

- Medium-early ear emergence with medium ripening
- High to very high grain yields and N-efficiency
- Balanced average leaf health
- Sufficient straw stability and standing strength

Distribution in: AT, PL

PARADIES 6-row

- Tolerance to BYDV and resistance to BaYMV type 1 and BaMMV
- High yield also under infection conditions
- Reduced insecticide use, early sowing dates possible
- Very good leaf health and winter hardiness

Distribution in: AT, DE, HU, LU, UA

SAPHIRA 6-row

- Early to medium heading and ripening
- Medium straw length
- Good resistance package
- Good screening >2.2 mm and >2.5 mm

Distribution in: RO

SENSATION 6-row

- World's first winter barley variety combining tolerance to BYDV and resistance to BaYMV type 1 + 2
- High yielding and early maturing
- Good disease resistance package and good straw stability
- High specific weight

Distribution in: AT, BE, CH, CZ, DE, DK, FR, HU, UK

VIOLA 6-row

- High yielding variety
- Early heading
- Short and stem stiff
- Medium specific weight and high TGW

Distribution in: DE, RO, UA

BYDV = Barley yellow dwarf virus

BaYMV = Barley yellow mosaic virus

BaMMV = Barley mild mosaic virus

 = BYDV tolerance

 = BaYMV type 1 + 2 resistance

Lupin

Since the mid-1990s, the cultivation of white lupin has rapidly decreased in Germany and other countries in Central Europe because of the fungal disease anthracnose. In collaboration with our breeding partner, the development of new varieties with improved resistance is our target. The first anthracnose-tolerant variety FRIEDA was registered in Germany in 2019.

FRIEDA White Lupin

- Branching type with low content of bitter substances
- High protein yield for feed use
- Excellent drought tolerance due to taproot
- Tolerance against anthracnose

Distribution in: AT, CH, DE, NL, UK

Breeder: LLA Triesdorf

CELINA White Lupin

- Low bitter content, high tillering type
- High yield potential and stability
- Good to medium standing ability
- Tolerance against anthracnose

Distribution in: AT, CH, DE, LT, NL, UK

Breeder: LLA Triesdorf

CARABOR Blue Lupin

- Branching type with low content of bitter substances
- High yield potential with very good agronomic features
- Good standing ability and good pod shattering resistance
- Excellent drought tolerance and medium TGW

Distribution in: DE, DK, PL

Breeder: Saatzucht Steinach



More barley varieties



Lupin grower guide



Discover the excellence of DSV’s own turfgrass breeding

At DSV, we pride ourselves on our unparalleled expertise in turfgrass breeding. Our commitment to innovation and quality ensures that our customers receive only the best varieties of seeds, meticulously developed and produced to meet the highest standards. We consistently invest in research and breeding advancements, bringing our motto, "Innovation for your growth," to life. Through rigorous testing and selection, we create seeds that thrive in diverse conditions, offering superior:

- **Durability:** Our turfgrass withstands harsh weather and environmental stress
- **Vigour:** Rapid establishment and growth for lush, green coverage
- **Disease Resistance:** Minimised need for chemical treatments, promoting eco-friendly practices

Own Seed Production

At DSV, we take control of the entire seed production process. From the initial breeding stages to the final packaging, our hands-on approach ensures consistency and reliability in every batch. Our advanced facilities and experienced team guarantee that our seeds meet the most stringent quality criteria.

Innovation is breeding

Our breeders focus on a number of different characteristics such as:

- Fast germination and establishment
 - Improved wear tolerance
 - Fast recovery
 - Fineness of leaf
 - Tolerance to close mowing
- Colour aspect
 - Persistence and disease resistance
 - Tolerance to drought
 - Shoot density
 - Traits with specific characteristics (e.g. heat and shade)



Top varieties

Perennial ryegrass *Lolium perenne*

Cultivar	Live ground cover	Visual merit	Mean	Recovery	Shoot density	Fineness of leaf	Resistance to red thread	Winter greenness	Summer greenness
FLANELL	8.2	8.3	8.3	7.3	8.2	7.6	5.0	5.6	6.9
EUROBEAT	7.8	7.7	7.8	6.8	7.2	6.6	5.4	5.6	5.4
EUROGALA	7.8	7.6	7.7	7.5	7.8	7.3	4.9	5.9	6.7
LAMAR	7.5	7.2	7.4	7.3	7.1	6.3	5.4	5.1	5.6

FLANELL – Where strength meets style

FLANELL is one of our top-performing varieties, combining exceptional aesthetics with elite sports performance. Its fine leaves create a dense, attractive sward that not only looks great but plays even better. Engineered for high wear tolerance and rapid recovery, FLANELL bounces back quickly – always ready for the next match.

LAMAR – Built for the game, ready for more

LAMAR scores top marks for sports use – a perfect 9 in Germany and high rankings in the Netherlands. It delivers elite playability, durability and recovery. But it's not just for action: with fine leaves and dense shoots, LAMAR also shines as ornamental turf. Bonus? Strong resistance to fungal diseases like crown rust.

Kentucky bluegrass *Poa pratensis*

Cultivar	Live ground cover	Visual merit	Mean	Recovery	Shoot density	Fineness of leaf	Resistance to red thread	Winter greenness	Summer greenness
LIMOUSINE	7.2	7.5	7.3	7.8	8.1	7.2	4.9	6.2	5.3
ZEPTOR	4.5	4.5	4.5	4.5	4.5	4.6	7.1	5.1	5.6

LIMOUSINE – A legend in its own time

For years, the name has been synonymous with the highest quality and performance worldwide. Current official test results prove that this variety remains one of the top choices for sports turf and is among the top five for utility turf. LIMOUSINE continues to rank first for shoot density in sports tests.

Tall fescue *Festuca arundinacea*

Cultivar	Live ground cover	Visual merit	Mean	Recovery	Shoot density	Fineness of leaf	Winter greenness	Summer greenness
REGENERATE	7.6	7.7	7.7	6.9	8.1	6.9	6.5	6.3

REGENERATE – Generation future

REGENERATE is the next level in terms of shoot density and leaf fineness. This variety elevates the quality of tall fescue lawns to a whole new level. It is highly tolerant of extreme drought and heat. REGENERATE is already one of the highest-quality lawn grasses in France and the USA.

More turf grasses



Source: Series S, Turfgrass Seed 2025, British Society of Plant Breeders

High quality varieties

Perennial ryegrass *Lolium perenne*

Cultivar	Recommended in	Sports	Lawn	Density
EUROCOOL	UK, DE, FR, SCAN	4	4	4
POLLEN	UK, DE, FR	3	3	4
BECKHAM	UK, DE, SCAN	4	3	3
VULCANUS	UK, DE	3	3	4
PASCAL	UK, DE, FR	2	3	3

EUROCOOL – The all-round pro for sports turf

- Very dense, versatile variety
- Superior rust resistance
- Strong drought performance
- Resilience in drought conditions

Range: 1-5 (5 = best); breeders classification

Cultivar	Recommended in	Sports	Lawn	Density
TRANSATE	UK, DE, FR	3	3	2
TURFSUN	DE, SCAN	3	3	3
TETRASUN tetraploid	FR	3	3	3
TETRASPORT tetraploid	UK, DE, NL	4	2	2

Kentucky bluegrass *Poa pratensis*

Cultivar	Recommended in	Sports	Lawn	Density	Recovery
MARKUS	UK, NL, SCAN	3	3	3	3
DAUNTLESS	UK, DE	3	4	4	4

DAUNTLESS – A handsome US type

- US variety with high disease resistance inclusive a good winter performance
- Colour adapted for the European market
- High technical purity for sod production and for mixtures with high standards

Range: 1-5 (5 = best); breeders classification

Chewings fescue *Festuca rubra commutata*

Cultivar	Recommended in	Density	Appearance	Red thread tolerance	Close mowing
RAMONA	UK, DE, NL	5	5	5	5
EUROCARINA	UK, DE, FR, NL, SCAN	4	4	5	5
FILIUS	UK, DE, NL	4	4	4	5
ANTOINETTE	UK, FR	4	4	3	3

EUROCARINA – The finest blades, the highest density

- Unique high shoot density
- Highly scored for visual merit
- Perfectly suited for greens
- Good persistency

Range: 1-5 (5 = best); breeders classification

Source: Series S, Turfgrass Seed 2025, British Society of Plant Breeders

Slender creeping red fescue *Festuca rubra trichophylla*

Cultivar	Recommended in	Density	Appearance	Red thread tolerance	Close mowing
TASIDA	UK, NL	5	4	3	4
EUROMARIE	UK, DE	4	4	5	5
TEENIE	UK, DE, NL	4	4	3	3

TASIDA – Impressive colour and performance

- Very high-quality variety
- High disease tolerance
- Top ranking in various recommendations

Range: 1-5 (5 = best); breeders classification

Strong creeping red fescue *Festuca rubra rubra*

Cultivar	Recommended in	Density	Appearance	Red thread tolerance
MELLORI	UK, DE, NL, SCAN	4	4	3
ROCKEFELLER	DE, NL	4	4	4
MARLENE	DE	3	4	3

ROCKEFELLER – Spotless and in perfect condition

- High sword density
- Strong tolerance to diseases
- Vibrant light green colour

Range: 1-5 (5 = best); breeders classification

Tall fescue *Festuca arundinacea*

Cultivar	Recommended in	Sports	Lawn	Density	Fineness of leaf
MELYANE	UK, DE, FR	3	4	4	4
TATONKA	DE, FR	4	5	4	4

TATONKA – Next level European type

- Recommended newcomer in France and Germany
- European breed tall fescue with improved quality towards wear and fineness of leaves

Range: 1-5 (5 = best); breeders classification

Hard and Sheep's fescue *Festuca trachyphylla*

Cultivar	Recommended in	Sports	Lawn	Density
MENTOR	UK, DE, NL, FR	2	3	4

MENTOR – The modest one!

- Low demand towards management, forms a nice dense and fine sward
- Outstanding quality within the hard fescues

Range: 1-5 (5 = best); breeders classification

Tufted hair-grass *Deschampsia cespitosa*

DESANTO – This variety is for the dark side of the ground

- Improved wear tolerance, speed up greening in spring with a good recovery
- Deschampsia is the answer for shady areas



EUROGRASS: DSV's premium turfgrass mixtures

EUROGRASS is DSV's elite brand, offering top-class turfgrass mixtures tailored to meet the unique requirements of various European countries and markets. This brand is thoughtfully segmented into two main categories:

EUROGRASS Professional and EUROGRASS Home, each designed as solutions for the various target groups.

Our EUROGRASS quality turf mixtures result from extensive breeding, research and trials. Only the finest varieties, which have undergone official testing and approval as lawn grass for at least two years, are selected for inclusion in EUROGRASS mixtures.

Mixture programmes

EUROGRASS Professional (EG PRO)

The EG PRO mixture programme is designed to meet the high standards of professional use. We carefully select species and varieties for their distinct characteristics to create tailored mixtures. Factors such as the time of sowing, climatic and soil conditions, intended use, and subsequent maintenance are all crucial parameters considered in the formulation of these mixtures. Backed by years of research and experience, our EG PRO mixtures (see next page) provide our customers with the best solutions available on the market.

The EUROGRASS PRO mixtures are divided into five groups:
Classic • Ornamental • Shade • Sport • Renovation



EUROGRASS Home

The EUROGRASS HOME mixture programme is particularly designed for the do-it-yourself market. It consists of quality class varieties that optimally complement one another in their respective characteristics. We use our knowledge to compose mixtures with the intention to offer our customers good value for money. Special attention is given to the mixtures to ensure no quality compromise in this range.

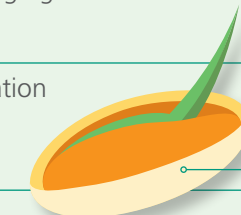


DynaSeed Plus inside:

DynaSeed Plus is DSV's innovative seed treatment for turf grasses. The customised coating mass ensures reliable germination under changing environmental conditions.



- Consistent and reliable germination
- Reliable emergence
- Health and vigour



DynaSeed coating mass



EUROGRASS mixture assortment



Mixture	Main characteristics	Composition in %										Variety examples
		Perennial ryegrass	Italian ryegrass	Kentucky bluegrass	Chewings fescue	Slender creeping red fescue	Strong creeping red fescue	Tall fescue	Hard fescue	Tufted hair-grass	Annual ryegrass	
EG PRO 120 CLASSIC	Fast establishment, good ground cover, good soil binding capacities, low maintenance effort	50					50					BECKHAM, JUBILEE EG, PASCAL, TURFGOLD, VULCANUS, DIPPER, MELLORI
EG PRO 230 ORNAMENTAL	Fine textured, nice appearance, good ground cover, very suitable for fairways, ornamental lawns, parks and sod production	10		30	30		30					LIMOUSINE, MARKUS, ZEPTOR, DIPPER, MELLORI, ANNALENA, ANTOINETTE, JOANNA, MISSION, EVENTUS, EUROCORDUS, VULCANUS
EG PRO 320 SHADE	Shade, drought and wear tolerant, suitable under trees and building shades, very suitable where shade is combined with dry conditions	10					20	70				MELYANE, REGENERATE, DIPPER, MELLORI, PASCAL, TRANSATE, TURFGOLD, VULCANUS
EG PRO 410 SPORT	Extremely wear tolerant, fast recovery, fast establishment, very suitable for all areas under intense wear	50		50								BECKHAM, VULCANUS, EURODIAMOND, EUROPITCH, EUROSPORT, POLLEN, LIMOUSINE, MARKUS, ZEPTOR
EG PRO 420 SPORT	Wear tolerant allround mixture, fast recovery, drought tolerant, very suitable for all areas including wear	40		40	10	10						BECKHAM, EURODIAMOND, EUROPITCH, EUROSPORT, POLLEN, DAUNTLESS, LIMOUSINE, MIRADOR, EUROMARIE, JOANNA
EG PRO 520 RENOVATION	Fast establishment, extremely hard wearing, quick recovery from damages, ideal for renovation programmes	100										EUROSPORT, EURODIAMOND, EVENTUS, POLLEN, BECKHAM, EUROCORDUS, PASCAL
EG DIY UNIVERSAL LAWN	Wear tolerant, fast recovery, usable for nearly all activities on the lawn	50		25			25					TURFSUN, JUBILEE EG, MARLENE, MARKUS
EG DIY LUXURY LAWN	Exclusive appearance, with very fine varieties for the luxury ornamental lawn	50			15		30		5			PASCAL, MARLENE, TURFSUN, MISSION, NEGEV
EG DIY SHADY LAWN	For shady and dry locations, only species with high shade tolerance, the solution for the problematic area					15	25	40	10	10		TROUBADIX, DIPPER, NICOLE, NEGEV, DESHADE
EG DIY SUMMER LAWN	Withstands dry periods better than other mixtures due to the focus on root growth and water consumption	20		15				65				MANITOU, STARFIRE, MARKUS
EG DIY LAWN RENOVATION	For frequent lawn renovation, fast germination and establishment, strong plus competitive di- and tetraploid perennial ryegrass varieties	100										POLLEN, LOLIUS, TRANSATE, STARFIRE, TURFSUN
EG DIY LAWN RENOVATION+	SOS repair mixture for old outworn lawns, includes tetraploids perennial ryegrasses, improved germination rate due to seed technology 	90									10	POLLEN, TURFSUN, TETRASPORT, STARFIRE, CAIRO

All specified information is given to the best of our knowledge and belief, but without guarantee on completeness and correctness. Despite care, we cannot guarantee that the described characteristics will be repeatable/comprehensive in practice in each case. Deutsche Saatveredlung AG excludes liability for any damage or claims, resulting from the use of the products mentioned in this brochure. Mixture adaptation might be possible due to availability and innovations.

Forage crops – maximum breeding progress for the best forage

DSV was founded 100 years ago to ensure the availability of forage seed. Even then it was clear that high-quality forage could only be produced with high-quality seed. Since then, extensive breeding has been carried out in the most important forage grass species and in small-seeded legumes. On five breeding stations and further testing sites across Europe, DSV forage breeders develop varieties that cover all market and utilisation requirements of farmers in Europe and beyond. Apart from common breeding objectives like biomass yield, disease resistance and persistence, we especially focused on forage quality for decades.

The following tables give an overview of the key varieties of the different species. Varieties with particular forage quality can be recognised by the Milk Index symbol (see page 36). Across all forage species there are varieties in organic quality available. The full portfolio can be found at www.dsv-seeds.com.

Video insights into DSV forage breeding



» High-quality forage starts with the right, site-adapted genetics and is unlocked through proper management. Our varieties are carefully selected for top yield performance and digestibility, laying the foundation for productive, nutritious grassland. «

Jan Hindrik Mulder, DSV forage breeder

Annual ryegrass *Lolium westerwoldicum*

	Variety	Type	Available in organic	Maturity	Yield	Rust resistance	National listing/ Official recommendation
diploid	LIFLORIA	I		early	4	3	AT, DE, LU, UK
	LIKOLOSS	I		very early–early	5	4	AR, BR, CO, DE, EC, UY
	RODILLO	M/I		inter	5	5	BR, BY, DE, FR, UY
tetraploid	ALBERTO	I	✓	early	5	5	AR, BR, CL, DE, FR, MA, UK, UY
	FALLADINO	I		inter	4	4	BY, CA, DE, EC, UY
	SOUVENIR	I		very early–early	5	4	DE, UY
	ARNOLDO	M/I	✓	inter	4	5	AR, BY, DE, RU
	POLLANUM	M/I	✓	inter	3	3	AR, BY, DE, EC, ES, FI, KZ, LU, PT, RU, TR, UA, UK

I = Intercrop M = Maincrop

Italian ryegrass *Lolium multiflorum*

	Variety	Available in organic	Maturity	Yield	Rust resistance	Persistence	National listing/ Official recommendation
diploid	SHAKIRA	✓	early–inter	3	4	3	DE, UK
	PINACO		inter	3	4	3	UK
	SENDERO	MI	inter	5	4	4	BY, CA, DE, DK, UK
tetraploid	HUNTER	✓	early	5	4	3	AR, BY, DE, LU, RU, UK
	DOLOMIT	✓	early–inter	5	4	3	BY, CA, CL, DE, DK, RU, UY
	DORIKE	✓	early–inter	5	5	4	AR, BY, DE, LU, RU, UK
	KINGSGREEN		early–inter	5	4	4	BY, DE, RU, UK
	LIPSOS		early–inter	5	4	3	CL, DE, LU, NO
	ARMAN		inter	4	4	4	CZ, UK

Hybrid ryegrass *Lolium hybridum*

	Variety	Available in organic	Type	Maturity	Sward Yield	Winter density	Rust hardiness	Per- resistance	Persistence	National listing/ Official recommendation
tetraploid	ASTONCRUSADER	✓	Lm/Lp	early–inter	5	3	3	4	4	BE, CL, CO, DE, DK, LU, RU, UK
	IBEX	✓	Lm	early–inter	5	2	4	4	5	CH, CL, DE, EC, LU, UY
	PERKINS		Lm/Lp	inter–late	5	3	4	4	4	NL, UK

Lm = *Lolium multiflorum*; Lp = *Lolium perenne*

Perennial ryegrass *Lolium perenne*

	Variety	Available in organic	Yield	Sward density	Winter hardiness	Rust resistance	Persis- tence	Forage quality	National listing/ Official recommendation
early	diploid								
	TEMPRANO		3	4	4	3	2	2	AR, BY, CL, DE, TR, RU, UA, UK
	WATSON	NEW!	5	4	4	5	5	4	DE
	tetraploid								
	ALGIRA	✓	4	4	5	5	5	5	CH, LU
inter	KARATOS (M)	✓	4	4	4	4	4	3	BY, DE, DK, RU, UA
	MIRTELLO (M)	✓	4	4	4	5	5	3	AR, BE, BY, DE, LU, UA
	PRANA		3	4	4	3	2	2	AR, AT, BY, CL, EC, NL, NO, RU, TR, UA
	diploid								
	ARELIO (M)	✓	4	4	4	3	4	4	DE, EC, NL, RU, UA, UK
	ARSENAL	✓	4	5	3	3	3	3	BY, DE, KZ, LU, NL, RU, UA
	ASTONCONQUEROR	✓	4	4	2	3	3	3	DE, IE, UK
	GOLDWELL	NEW! MI	5	5	3	4	4	5	FR, UK
	GUSTO	✓	4	4	2	4	4	3	DK, IE, UK
	tetraploid								
	ALLIGATOR (M)	MI ✓	5	4	5	3	5	2	AT, CH, DE, LU
	ASTONENERGY	✓	4	3	3	4	3	5	FR, AR, BY, CL, CO, IE, UK, UY
	ASTONHOCKEY (M)	✓	4	4	4	3	5	4	BE, DE, DK
	BOTOND		4	4	4	4	5	4	BY, CA, DE, NL
	EUROCONQUEST (M)	MI ✓	4	4	5	4	4	5	DE, LU
	EXPLOSION (M)	MI ✓	5	4	5	5	4	5	BE, BY, DE, DK, NL, UK
	TRIVOS	✓	4	4	4	4	5	3	CH, CO, DE, EC, LU, NL, RU, UA
late	diploid								
	ARNANDO	✓	4	4	4	4	3	3	DE, DK, NL
	ASTONKING	✓	4	4	2	4	3	3	IE, NL, UK
	FABRIZIO	NEW! MI	5	4	4	4	4	5	DE, FR, NL
	KAIMAN	MI ✓	5	4	3	4	4	5	DE, LU, NL
	MAIKO (M)		3	5	4	5	4	4	DE, NL
	ROSSIMONTE	MI ✓	5	4	3	3	4	4	BE, DE, NL
	TRAVISTO (M)	NEW!	4	5	4	4	-	3	DE, NL
	tetraploid								
	BEAU		4	4	2	4	3	3	FR, NL
	CHEVALIER (M)		5	4	4	4	4	3	DE
	NEUVILLE	✓	5	4	4	5	3	4	DE, FR, NL
	RIVALDO	✓	4	4	4	4	3	3	DE, NL
	SHERLOCK (M)	✓	4	4	4	5	4	3	BE, CA, DE
	THERESE (M)		4	4	5	4	4	4	DE, NL
	VALERIO (M)	✓	5	4	5	4	5	4	BE, BY, CA, DE, DK, LU, RU, UA, UK

Festulolium *Festulolium*

Variety	Available in organic	Type	Maturity	Yield	Sward density	Winter hardiness	Rust resistance	Persistence	National listing/ Official recommendation
FEDORO	✓	Fp x Lm	late	4	2	4	4	4	BY, DE, DK, LU, RU, UA, UK

Fp = Festuca pratensis; Lm = Lolium multiflorum

Meadow fescue *Festuca pratensis*

	Variety	Available in organic	Maturity	Yield	Sward density	Winter hardiness	Rust resistance	Per- sistence	Forage quality	National listing/ Official recommendation
diploid	LIHEROLD	✓	early	5	4	5	4	5	4	BY, DE, KZ, LU, NO, RU, UA, UK
	BALTAS	✓	early-inter	5	4	5	4	5	3	BY, CA, DE, DK
	PREVAL	✓	early-inter	4	3	5	4	5	3	BE, CA, CH, CZ, DE, FR, LU, NL
tetraploid	SCHWETRA	MI	inter	4	2	5	4	4	5	BY, CA, DE, DK, UK
	TETRAX	MI ✓	inter	4	2	5	4	4	5	AT, BY, CA, CH, FR, RU

Tall fescue *Festuca arundinacea*

Variety	Available in organic	Maturity	Yield	Winter hardiness	Rust resistance	Leaf flexibility	National listing/ Official recommendation
FERGUSON		early	4	3	3	2	DE
LIPALMA	✓	early	3	3	3	2	BY, CL, DE, KZ, RU, UA, UY
ROSCATI		inter	4	5	4	4	BY, CA, DE, FR
ROSPARON	✓	inter	5	5	5	3	AR, BY, BE, CA, CL, DE, FR, RU, UY
ROSTUQUE	✓	early-inter	4	4	4	3	AR, BY, CA, DE, FR, UA, UY
ROTINO		late	5	4	5	5	BE, CA, DE, FR

Range: 1–5 (5 = best); breeders classification

Tall fescue

Tall fescue is very universal to use, as it either thrives well in dry and also wet conditions. It stores a lot of crude fibre early and is used in mixtures where structure in the diet for the cow is needed. Due to its slow youth development, its suitability for overseeding is limited.

Recognition: emerging leaf rolled, rough to sharp leaf edges, auricles lightly haired



Cocksfoot *Dactylis glomerata*

Variety	Available in organic	Maturity	Yield	Sward density	Winter hardiness	Rust resistance	Persistence	National listing/ Official recommendation
LIDACTA	✓	early–inter	4	-	3	3	4	AR, AT, CA, CL, DE, LU, RU, UA, UK
ROPRIX	NEW	early–inter	5	-	5	4	4	CH, DE, DK
PASADO		inter	4	-	4	3	4	BY, SK
REVOLIN	✓	inter	5	-	3	4	4	BY, DE, RU, UA, UY
ROSSEUR	✓	inter	5	-	4	4	4	AR, BY, CH, DE, FR, RU
HUSAR	✓	inter–late	4	-	4	2	4	DE
DUERO		late	4	-	4	3	4	CA, CO, EC, UY

Timothy *Phleum pratense*

Variety	Available in organic	Maturity	Yield	Sward density	Winter hardiness	Rust resistance	Persistence	National listing/ Official recommendation
ATURO	✓	early	4	4	3	-	4	CA, DE, FR, LU, RU, UK
LISCHKA	✓	early	4	4	4	-	4	AT, BE, BY, CA, DE, RU, KZ, LU, PL, TR, UK
RADDE		early	5	3	4	-	4	CA, BY, DE, SE
PRESTO	MI ✓	inter	4	4	4	-	4	BY, CA, DK, FR, LU, NL, UA, UK

Smooth-stalked meadow-grass/Kentucky bluegrass *Poa pratensis*

Variety	Available in organic	Yield	Sward density	Winter hardiness	Rust resistance	Persistence	National listing/ Official recommendation
LIBLUE		3	5	4	4	5	BE, DE
LIMAGIE	✓	4	4	4	3	5	AT, BY, DE, DK, KZ, LU, NO, RU, UA, UK

Creeping red fescue *Festuca rubra*

Variety	Available in organic	Yield	Sward density	Winter hardiness	Rust resistance	Persistence	National listing/ Official recommendation
RAFAEL	✓	4	5	4	-	5	BE, BY, DE, DK, RU, TR, UA

Cocksfoot

Cocksfoot is usually early heading and well suited for hay and silage mixtures. Due to its low elasticity of use, suitability for pasture is limited. It is insensitive to drought and also withstands harsh winters. For new sowings and overseeding, the proportion in a seed mixture should not be too high.

Recognition: stem shoots extremely flat, auricles absent, long and white ligule, leaves not shiny



White clover *Trifolium repens*

Variety	Available in organic	Yield	Winter hardiness	Crude protein content	Sward density	Leaf size	National listing/ Official recommendation
BIANCA	✓	4	4	4	4	medium	BY, DE, FR
LIFLEX	✓	4	3	4	5	medium	BY, CO, DE, DK, NL, NO, RU, TR, UA, UK
VYSOCAN		5	4	4	4	medium	CH, CZ, DE, LU
MUNIDA	✓	4	4	-	4	large	AT, CH, DK, FR, LU, UK

Red clover *Trifolium pratense*

	Variety	Available in organic	Yield	Winter hardiness	Crude protein content	Persistence	Resistance to			National listing/ Official recommendation
							Stem rot	Anthracnose	Mildew	
diploid	DIPLOMAT	✓	3	4	3	3	3	3	4	AT, DE, FR, LU, UK
	HARMONIE	✓	4	4	5	4	4	4	4	BY, CH, DE, EE, FR, UA, UK
	MILVUS**	✓	3	4	3	5	3	4	4	AT, CH, DE, LU, PL, UA, UK
	SEMPERINA**		4	3	4	4	4	3	4	AT, CH, DE, UK
tetraploid	LARUS**	✓	5	5	3	5	4	4	4	CH, DE, LU
	TAIFUN	✓	5	5	5	4	3	4	2	AT, BY, CH, DE, KZ, RU, SE, UA

**Mattenklee-type

Crimson clover *Trifolium incarnatum*

Variety	Available in organic	Yield	Winter hardiness	Crude protein content	National listing/ Official recommendation
LINKARUS	✓	5	3	3	BY, DE
ZORRO	✓	5	4	3	BY, SK

Lucerne/Alfalfa *Medicago sativa*

Variety	Available in organic	Dormancy group	Yield	Winter hardiness	Crude protein content	National listing/ Official recommendation
FLEETWOOD	MI	4–5	4	3	5	AT, BE, DE, LU
FRAVER		4	4	4	4	AT, BY, CH, RU, UA
MADALINA		4	4	4	3	BY, RO, RU, UA
PLANET	✓	3	4	5	4	BY, DE, KZ, RU, TR, UA
Pure alfalfa mixture treated with 						



Range: 1–5 (5 = best); breeders classification

COUNTRY: Forage seed mixture programme directly from the breeder!



To guarantee the highest forage quality from your grassland, the crop stand has to be perfectly adapted to the site conditions: this means the best performing varieties of suitable species in the perfect mixing ratio.

Based on DSV's unique experiences in breeding, production and usage of forage grasses and legumes, DSV's COUNTRY mixture programme provides comprehensive, customised forage crop solutions for all sites and usages. When designing the mixtures, the general species' properties as well as the heading dates of the components are carefully taken into account. By using only varieties from the top of international recommendation lists, COUNTRY has become the biggest brand range programme for forage seed mixtures in Germany and Poland. Over several years COUNTRY has expanded into more international markets (e.g. the Netherlands, Austria, Belarus and the Baltic States).

COUNTRY is divided into four sub programmes (see next pages), within which the mixtures are adapted to different sites, uses and intensities (e.g. cutting, grazing, intercropping, new sowing, overseeding).

COUNTRY Breeder-PLUS



The intelligent combination of premium varieties ensures:

- ✚ Maximum yield
- ✚ Highest quality
- ✚ More milk output



COUNTRY sub programmes

COUNTRY Energy

The highest forage quality and digestibility

COUNTRY Grassland

Site-adapted and high-performance grassland mixtures

Organic
quality also available

COUNTRY Field forage

Forage production at the highest level

Organic
quality also available

COUNTRY Horse

Professional mixtures for horse owners



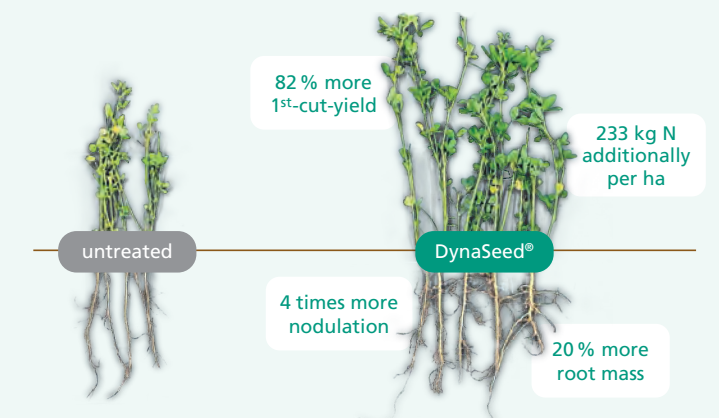
In all COUNTRY mixtures with legumes:

DynaSeed LegumeMaxx – for a maximum yield



DynaSeed LegumeMaxx is DSV's innovative seed treatment for alfalfa and clovers. The customised coating mass ensures improved root growth and a faster establishment. The addition of species-specific rhizobia and molybdenum promotes nodulation and thus nitrogen fixation and yield.

- High N-fixation
- More yield
- Disburdened fertiliser balance



Additional yield (DM) in the 1st cut through DynaSeed LegumeMaxx treatment on alfalfa 2021 – 2024

COUNTRY Energy – the highest forage quality and digestibility

COUNTRY Energy mixtures provide the best forage quality. For highest forage performance, the mixtures ensure the establishment of high performance swards on all sites, with maximum breeding progress in every mixture.

					Description	Composition in %												Site			Use	
Mixture	Designation	Overseeding	New sowings	Seeding rate for new sowings in kg/ha		Lolium perenne inter	Lolium perenne late	Phleum pratense	Festuca pratensis	Poa pratensis	Dactylis glomerata	Festulolium	Festuca arundinacea	Trifolium repens	Trifolium pratense	Cichorium intybus	Plantago lanceolata	dry	peat soil	high altitudes	grazing	cutting
COUNTRY E 2020	Late with clover	X	X	35–40	Intensive cutting and grazing on fresh mineral sites with good nutrient supply	40	45	10						5				+	+	++		
COUNTRY E 2021	Medium to late without clover	X	X	35	Intensive cutting on mineral and peat soils	60	15	25										○	++	++		
COUNTRY E 2022	Medium to late with clover	X	X	40	High yielding mixture for cutting and grazing	50	40							10				+	○	+		
COUNTRY E 2023	Late for high quality forage	X	X	40	Highest energy densities and flexibility of use		100											○	++	+		
COUNTRY E 2024	Peat soils and higher altitudes	(X)	X	30–35	Top performance in yield and quality on peat soils and in low mountain ranges	70		20		10								○	++	+		
COUNTRY E 2025	Special	(X)	X	35–40	Best forage quality on difficult sites: dry, cold, peat soils and low mountain ranges	10	10	25	40	15								++	++	+	*	
COUNTRY E 2026	Protein	X	X	35–40	High yielding, protein-optimized quality mixture with clover	40	35							5	20			+		++	*	
COUNTRY E 2027	Milk Index 	X	X	40	High-performance mixture for maximum forage quality	60	40											○	+	+		
COUNTRY E 2028	Intensive	X	X	30–35	High-performance mixture for fresh mineral sites	30	40	17		8				5				+	○	+		
COUNTRY E 2030	HerbMeadow 	X	X	35–40	Herb-rich, stress-tolerant mixture for intensive use	40	42	10						5		2	1	+	+	++		
COUNTRY E 2031	HerbCloverGrass 	(X)	X	35–40	Herb-rich, stress-tolerant mixture for perennial field forage		22	12	15		5	10	12	5	15	2	2	++	○	++	*	

If individual varieties are not available, they are replaced by equivalent varieties.

* conditional use of pasture – sufficient resting time necessary! ++ highly suitable + suitable ○ conditionally suitable



Species-rich grassland

Under the name MultiLife, the COUNTRY Energy mixtures 2030 and 2031 combine at least 5 species from at least 3 plant families. Beside forage and clover species, these mixtures contain herbs like plantain and chicory. The intelligent combination of different grass, legume and herb species leads to deeper and more intensive root systems. These allow better growing conditions and more robust plant stands even under difficult conditions.

COUNTRY Grassland – site-adapted and high-performance grassland mixtures

COUNTRY Grassland stands for persistent mixtures with high yields and quality niveaus. Due to the combination of different species and maturity groups, the mixtures are adapted to the needs of the various permanent grassland sites.

Organic mixtures



With DSV's innovative seed treatment programme 

						Composition in %											Site			Use		
						Lolium perenne early	Lolium perenne inter	Lolium perenne late	Phleum pratense	Festuca pratensis	Poa pratensis	Dactylis glomerata	Festulolium	Festuca arundinacea	Festuca rubra	Trifolium repens	Trifolium pratense	dry	peat soil	high altitudes	grazing	cutting
Mixture	Designation	Overseeding	New sowings	Seeding rate for new sowings in kg/ha	Description																	
COUNTRY G 2001	Common site conditions	X	X	40	Top performing mixture for intensive grassland	20	20	60										○	○	○		
COUNTRY G 2002	Higher altitudes and peat soils	X	X	40	For difficult peat soils, mineral sites and altitudes	25	25	40	10									○	++	++		
COUNTRY G 2003	Dry sites	X	X	40	Suitable for dry sites	50	30						20					++	○	+		
COUNTRY G 2004	With clover	X	X	40	Top performing mixture with clover for intensive grassland	25	25	45								5		○	○	+		
COUNTRY G 2010	Universal with clover		X	35–40	Broad site suitability for cutting and grazing	15	20		15	35	10					5		+	++	++	*	
COUNTRY G 2011	Universal without clover		X	35–40	Broad site suitability for cutting and grazing	15	25		15	35	10							+	++	++	*	
COUNTRY G 2012	Hay and silage		X	35–40	Intensive cutting and grazing for medium to good sites	5		30	20	20	10	5				5	5	+	+	++	*	
COUNTRY G 2013	Hay and silage for dry sites		X	35–40	Intensive cutting and grazing for dry areas	10	10					45	20		10	5		++	○	++	*	
COUNTRY G 2014	High yielding on dry sites		X	40	Secures good yields on dry sites		25	10	10	10		5		40				++	+	+	*	
COUNTRY G 2015	Permanent meadow for extensive sites		X	25–30	Mixture for extensive meadows on dry sites with white and red clover	10	10	10	5	25	10				10	10	10	++	○	++	*	
COUNTRY G 2016	For higher altitudes	X	X	30–35	For a late start of vegetation, persistence and winter hardness	25	20	10	20		10	5				5	5	+	○	++		
COUNTRY G 2018	For higher altitudes, intensive	X	X	35–40	Mixture for high use intensities and a high basic ration	10	40	25	10		10					5		+	○	+		

If individual varieties are not available, they are replaced by equivalent varieties.

* conditional use of pasture – sufficient resting time necessary!

++ highly suitable

+ suitable

○ conditionally suitable



Grassland management

Correctly timed maintenance measures, such as harrowing and reseedling, help to introduce valuable forage species in the sward and keep them here. Deficient grassland management leads to degenerated swards with undesirable species, which have a negative impact on the quality and profitability of the grassland.

COUNTRY Field Forage – forage production at the highest level

COUNTRY Field Forage mixtures bring the highest yields and forage quality through the intelligent combination of grasses, clovers and alfalfa.

Organic mixtures



Mixture	Designation	Seeding rate for new sowings in kg/ha	Use in years	Description	Composition in %													Site		
					Lolium multiflorum italicum	Lolium multiflorum westerwoldicum	Lolium hybridum	Lolium perenne	Phleum pratense	Dactylis glomerata	Festuca pratensis	Festuca arundinacea	Festulolium	Trifolium repens	Trifolium pratense	Trifolium resupinatum	Medicago sativa	dry	peat soil	high altitudes
COUNTRY F 2048	Robust and dry	35–40	2–4	Perennial field forage growing on very dry areas						35	25	40						++	○	++
COUNTRY F 2049	Without clover, intercropping	40–45	1	Fast growing grass mixture for intercropping use		100												○	+	+
COUNTRY F 2050	Without clover, annual	40–45	1	Mixture for annual field forage growing on medium to good areas	50	50												○	+	+
COUNTRY F 2051	Without clover, 1–2 years	40–45	1–2	Mixture for annual field forage growing for 1-2 years on medium to good sites	85		15											○	+	+
COUNTRY F 2052	Without clover, 2–4 years	35–40	2–4	Two to four years forage growing mixture for medium to good areas	10		10	30	10		20		20					+	+	+
COUNTRY F 2053	Intercropping Turbo	40	1	Fast growing clovergrass mixture for intercropping purpose		80										20		○	+	+
COUNTRY F 2054 	Clovergrass, 1–2 years	40	1–2	One to two years clovergrass mixture for medium to good sites	55		10							10	25			○	+	+
COUNTRY F 2055	Clovergrass, 2–3 years	20–25	2–3	Two to three years clovergrass mixture for medium to good sites				20	20		30				30			+	+	+
COUNTRY F 2056 	Alfalfa grass	20–25	2–3	Persistent alfalfa mixture for all sites where alfalfa is well suited					5		15					80		++	–	+
COUNTRY F 2057 	Alfalfa grass robust	20–25	2–3	Robust alfalfa grass for perennial field forage								20				80		++	–	+
COUNTRY F 2058	Perennial field forage dry	40	2–4	Two to four years field forage for medium to very dry areas				20		20	20	20	20					++	+	++
COUNTRY F 2059	Perennial alfalfa-clovergrass dry	35–40	2–3	Perennial alfalfa-clovergrass for medium to dry sites				20	10		20	10			10		30	++	–	+
COUNTRY F 2060 	Alfalfa Powermix	20	2–3	Persistent alfalfa mixture for perennial use on all areas where alfalfa is well suited												100		++	–	++
COUNTRY F 2061 	Alfalfa grass, very dry	20–25	2–3	Persistent alfalfa mixture for very dry sites						10						90		++	–	++

If individual varieties are not available, they are replaced by equivalent varieties.

 = Mixture has a seed proportion of small-seeded legumes of more than 50 %

++ highly suitable + suitable ○ conditionally suitable – not suitable



The sign for high forage quality

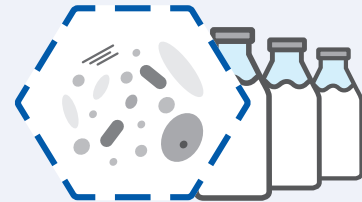
For many years, DSV breeders have been selecting new forage crops not only for yield and tolerance to diseases and abiotic stress factors, but they also place a special focus on forage quality. The aim is to select highly digestible and nutrient-rich forage plants for a high milk yield. Only our best varieties of forage grasses, legumes, maize and sorghum receive the Milk Index quality award. Milk Index varieties are not only tested by DSV: their outstanding forage quality is also proven by results of independent European institutes (like the Chamber of Agriculture in Germany) or recommended lists (e.g. NIAB list for recommended grass and clover varieties).

More Milk with Milk Index

Milk Index varieties contain less of the indigestible cell wall component lignin and more cell contents. This accelerates the digestibility of the cell wall and the milk yield is increased.



Average digestibility of a plant cell



Milk Index digestibility of a plant cell



DSV's top Milk Index forage grass and legume varieties:

Perennial ryegrass

GOLDWELL diploid, intermediate

NEW!

High-sugar grazing variety

- Outstanding sugar content in internal and French VCU trials
- Highest metabolisable energy content on the England and Wales recommended list
- Particularly suited to grazing systems

EXPLOSION tetraploid, intermediate

A unique variety

- High sugar contents combined with excellent digestibility
- Outstanding forage quality meets high dry-matter yields
- Based on good rust resistance and winter hardiness

EUROCONQUEST tetraploid, intermediate

Forage quality, yield and peat soil suitability

- High dry matter yield over all cuts, especially of further cuts
- Good rust resistance and persistence
- Suitable for peat soils

ASTONENERGY tetraploid, intermediate

Leader in digestibility

- Extraordinary forage quality (approved in trials of the German chamber of agriculture)
- High sugar content and high digestibility of the cell wall
- Recommended for a broad range of sites

KAIMAN diploid, late

Healthy genetics with high forage value

- Very good persistence, very good rust resistance
- High sugar content
- High yielding, especially further cuts

ROSSIMONTE diploid, late

Stable yield meets quality

- High digestibility of cell wall fraction
- High yielding, especially in second cut
- Combined with a good sward density

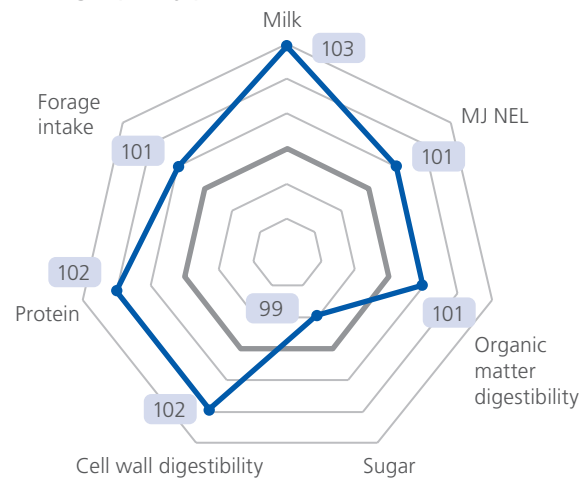
FABRIZIO diploid, late

NEW!

High quality with wide adaptation

- High milk production through extraordinary digestibility and protein
- Low inflorescence formation in aftermath
- Less susceptible to lodging and rust

Forage quality profile



Source: Internal DSV trials

Meadow fescue

SCHWETRA tetraploid

Unique in forage quality

- High digestibility and sugar content, verified in official trials
- Best forage quality of all meadow fescues
- Top palatability based on good rust resistance because of little susceptibility to rust

TETRAX tetraploid

Allrounder with high forage value

- Especially robust, healthy and winter hardy variety
- Digestibility above average
- Fast early growth and high persistence

Alfalfa

FLEETWOOD dormancy 4–5

When it comes to crude protein

- By far the highest crude protein content on the German National list
- High quality variety in alfalfa segment
- Combined with good yield and persistence

Italian ryegrass

SENDERO diploid

- Outstanding early spring growth
- Combines very high yield with high digestibility
- Good rust resistance

More about Milk Index



Maize

DSV offers high-quality forage plants in its portfolio. Accordingly, this also includes maize. Our Milk Index varieties convince with a very high digestibility of the whole plant as well as a pronounced starch content. Our grain maize hybrids impress with the best agronomic properties, early maturity in their respective segment and very high yields.

Maize varieties

For the next season, DSV offers a portfolio of high-performing maize varieties which provides solutions for all uses.

JOY FAO 150/160

- A strong flint genetic for a quick flowering and cob filling
- A high starch content provides great forage qualities
- Great agronomic performances, like quick juvenile development even for cold regions

GLUTEXO FAO 250/250



- Mid-early maturing dual-purpose variety
- Cobs with a double tip and two kernel rows more than an average cob
- Good stress resilience and excellent stem and leaf health

RAFTING FAO 210/200 est.



- Dual-purpose maize hybrid for grain, silage or energy
- Great juvenile development
- Excellent grain yields and a hybrid for high-quality silages

WAKEFIELD FAO 260/230



- Dual-purpose hybrid with a high starch content for quality silages
- Due to a high share of dent genetics, the kernels have a great water release at ripening
- Good digestibility due to high starch yields

AEROBIK FAO 210 est.



- High digestibility and energy content
- Great starch content and starch yields
- Excellent dry matter yields

AKANTO FAO 260/260

- Medium-late maturing maize hybrid with high grain yields
- High disease resistance and good stem stability
- Alternative use as high quality silage maize hybrid

DEPONA FAO 220/210 est.



- Dual-purpose maize with a great drought resilience
- Large growth habit
- Low cob stand

MOVANNA FAO 220/210

- Early maturing silage maize with a strong cold tolerance and good juvenile development
- High starch and energy outputs
- Good stem stability and resistance to eyespot and fusarium



Maize varieties



NEW!

NEW!

NEW!

NEW!

Variety	Maturity forage/ grain	Use	Available in organic	Hybrid	Type of grain	Seeding date	Seeding rate Kernels/m ²		Location	Dry matter yield	Energy yield	Starch yield	Starch-%	Digestibility	Grain yield	Lodging	Susceptibility to			Growth habit/Structure of yield
							Silage	Grain									Maize smut	Stem rot	Helmintho- sporium	
AMBIENT	120/130	grain, silage, energy	✓	three-way-cross	flint	early-very late	10–12	9	fresh-medium	6	5	6	6	5	6	3	2	3	5	compact plant, high stability
JOY	150/160	silage, energy	✓	double-hybrid	flint	early-very late	10–12	–	fresh-medium	6	5	5	5	5	–	2	3	4	5	mid-compact plant, cobs are set on the lower stem's part
LIKEit	180/180	grain, silage, energy		single-cross	flint	early-late	8–10	8–9	fresh-medium	7	7	7	6	6	7	3	2	2	3	tall plant with a good cob development, good cold tolerance
LIROYAL	190/190	silage		single-cross	flint	early-late	9–10	–	fresh-medium	7	7	7	6	6	–	3	2	2	3	tall plant with a strong cob development
RAFTING	210/200 est.	grain, silage, energy	✓	single-cross	flint	early-late	8–10	8–9	fresh-medium	8	8	8	7	6	8	2	3	2	3	dual-purpose maize, strong juvenile development
FORTTUNO	210/210	grain, silage		single-cross	flint	early-late	9–10	8–9	fresh-medium	6	7	7	7	6	7	3	3	3	3	early dual-purpose maize hybrid, great balanced silage quality
AEROBIK	210 est.	silage, energy		single	flint	early-late	9.5	–	all	8	8	7	5	6	–	2	3	3	3	early maize variety with an excellent biomass yield and intermediate starch content
ACTIVO	220/210	grain, silage, energy		single-cross	flint	early-late	8–10	8–9	all	7	7	6	6	5	6	3	4	3	5	early dual-purpose maize, great cob filling
DEPONA	220/210 est.	grain, silage, energy		single	dent	early-late	9.5	9	medium-drought	6	7	6	6	6	7	2	3	3	3	dual-purpose maize hybrid, great balanced silage quality
MOVANNA	220/210	silage, energy	✓	single-cross	flint	early-late	8–11	–	fresh-medium	7	5	6	6	5	–	5	3	3	4	tall, robust plant with broad leaves and a very good health status
AROLDO	220/210	grain, silage		single-cross	flint	early-late	8–9	8–9	medium-drought	7	5	6	6	5	7	4	2	4	5	good agronomic performance, great grain yields
PETROSCHKA	230/230	silage, energy		single-cross	flint/dent	early-medium	8–9	–	all	7	7	7	7	5	–	4	3	3	4	tall plant, dense foliage
GLUTEXO	 250/250	silage, grain, energy	✓	single-cross	flint/dent	early-medium	8–9	7–8.5	all	6	7	6	5	6	8	3	2	4	3	good yields due to rapid cob growth in all environments
WAKEFIELD	 260/230	grain, energy		single-cross	dent	early	8–10	7–8.5	medium-drought	7	8	7	5	5	7	3	3	2	3	medium tall plant, suitable for undersowings
AKANTO	260/260	grain, silage		single-cross	dent	early	–	7–8.5	all	–	–	–	–	–	9	3	2	2	5	mid-early grain type with very high grain yields and a good health status
PROPULSE	270 est.	grain		single-cross	dent	early	–	7–8.5	medium	–	–	–	–	–	8	3	3	3	3	high grain yields, good cob filling
BADIANE	270 est.	grain		single-cross	dent	early	–	7–8.5	medium-drought	–	–	–	–	–	6	4	4	4	4	maize for dry locations
VARIANTAL INDEM 1355	280/260 est.	grain, silage		single	dent	early	8–9	7–8	fresh-medium	8	8	6	5	5	8	3	3	3	3	dual-purpose maize hybrid, quick juvenile development and therefore shading of the soil
PIATOV	290 est.	grain		single-cross	dent	early	–	7–8.5	fresh-medium	–	–	–	–	–	5	4	4	4	4	dent genetics, yield stability
GALAKTION	300/300 est.	grain, silage, energy		three-way-cross	dent	early	8–10	7–8.5	medium	7	7	7	6	5	8	3	3	3	3	dual-purpose variety

Range: 1–9 (1 = low, 9 = very high); breeders classification



Sorghum – the drought-tolerant alternative

After years with challenging weather conditions, particularly droughts, many farmers are reviewing their choices for making feed and cultivating arable crops in the future. Due to the species' great stress tolerance to abiotic factors, sorghum is receiving more attention in this context. It uses nitrogen very efficiently while tolerating less water and it even has low demands on soil. Assessing the production area of cereals, sorghum is the fifth-largest crop in the world. The crop is very versatile and is used for human or animal nutrition as well as for biomass production.

VILOMENE

Maturity: very early	Use: silage	Grain colour: brown
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DUAL sorghum hybrid

- DUAL-type hybrid with an early maturity
- Height up to 1.80 m
- Great forage quality

The intermediate height of the sorghum hybrid VILOMENE is around 1.80 m. It is very early in maturity. Due to its high starch content, this variety makes excellent feed. As a result, VILOMENE is a good fit for producing biogas and feeding cattle.

POWER-STARCH-MIX-LONG

Maturity: early	Use: silage	Grain colour: brown
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DUAL sorghum hybrid

- Very early maturing
- Medium tall plant
- Good forage quality

Early maturing, grain-focused DUAL sorghum types with heights of 1.80 to 2.50 m have been developed by DSV. Due to their high fodder value, the combination of several DUAL hybrids is attractive for cow feeding. The mixture is a great supplement or substitute for maize silage due to its high dry matter yield and high starch content.

TerraLife® – optimising cultivation systems with plant communities

Plant communities offer many opportunities to utilise resources more efficiently and close cycles. The basis for this is the positive effect on soil structure, the formation of soil organic matter, water balance, microbiome (totality of microorganisms) and nutrient balance. It is important which species come together. TerraLife® offers different compositions of plant societies that contribute to successful arable farming under different conditions. Thanks to its 100-year history, DSV has unique species expertise and has set itself the task of developing cover crops and companion crops that support the main crop in the best possible way.

We are convinced that there is still a great deal of potential in utilising plant interactions to make crop rotation more successful and sustainable. As breeders, we are working intensively on new, even more suitable varieties, which we integrate into the TerraLife® mixtures. Scientific research on the effects of our in-house varieties on crop production is essential and makes TerraLife® better every day.

TerraLife® makes the difference!



Results compared to fallow land, CATCHY project:



TerraLife® CoverCrops

Detailed information on our mixtures



Mixtures	Main focus						
	legumes free	legumes focused	early sowing	allround mixture	potato rotation	beet rotation	late sowing
AquaPro	●		●			●	
VitaMaxx DT	●						●
N-Fixx / N-Fixx 50	●	●					
EarlySummer	●		●				
WarmSeason			●				
MaizePro DT / DT 30 / DT 50		●		●			
Rigol DT				●			
SolaRigol	●	●			●		
SolaRigol R					●		
BetaSola					●	●	
BetaMaxx DT						●	
BetaMaxx 30 / 50	●	●				●	
CoolSeason							●
SoilProtect	●						●
ForageRooter	●	●					●
Organic Mixtures in 100 % organic quality							
AquaPro Organic	●	●	●				
BioMaxx Organic	●			●			●
GreenPower Organic	●	●	●				
MaizePro Organic				●			
Solanum Organic		●			●		
BetaMaxx Organic	●	●				●	
ForageRooter Organic	●						●
DT = Deep-rooted radish The following applies to all mixtures: If individual species and varieties are not available, they are replaced by equivalent ones.							
●● = Particularly suitable for oilseed rape crop rotations ●● = Focus suitability ●● = also suitable for							

Legume-free: Absorbs excess nutrients and retains them in the soil



Legume-free:
TerraLife®-AquaPro

For water protection areas and oilseed rape rotations

- Very good nitrogen storage capacity
- Tolerates dry conditions
- Ideal for oilseed rape crop rotations

Composition	Bristle oat, sorghum, niger, linseed, phacelia, sunflower
Sowing rate	25 – 30 kg/ha
Sowing date	End of July to 25 August
Crop rotations	Oilseed rape, legumes, sugar beet, cereals, maize

Legume-free: Absorbs excess nutrients and retains them in the soil



Legume-free:
TerraLife®-VitaMaxx DT

Fast growing mix for intensive livestock farms

- Suitable for late sowing
- Good nitrogen and phosphorus storage
- Intensive biomass production and weed suppression

Composition	Buckwheat, bristle oat, niger, white mustard, linseed, false flax, Abyssinian cabbage, sunflower, tillage radish, phacelia
Sowing rate	20 – 25 kg/ha
Sowing date	Mid-August to beginning of September
Crop rotations	Legumes, cereals, maize

N Potential approx. 80 kg/ha



Also available as MaizePro DT 30 and MaizePro DT 50

Allrounder:
TerraLife®-MaizePro DT

Balanced, partly winter hardy cover crop for maize crop rotations

- Leaves an optimal soil structure
- Promotes intense root penetration
- Very good N-utilisation

Composition	Rye, field pea, sorghum, Abyssinian cabbage, niger, sunflower, phacelia, linseed, Persian clover, white clover, tillage radish, hairy vetch, crimson clover
Sowing rate	40 – 45 kg/ha
Sowing date	Mid-July to end of August
Crop rotations	Cereals, maize, oilseed rape¹

¹regard crop rotation diseases

Composition can differ, depending on the legal framework within different countries or availabilities of single components.

DT = Radish Deeptill

N Potential
approx. 30 kg/ha



Allrounder:

TerraLife®-Rigol DT

Strong root formation stabilises the soil structure

- Proven in practice over the long term
- Very deep rooting
- For compacted soils

Composition	Bristle oat, field pea, common vetch, sorghum, tillage radish, linseed, niger, phacelia, sunflower, Egyptian clover, false flax, Abyssinian cabbage
Sowing rate	20–22 kg/ha
Sowing date	End of July to end of August
Crop rotations	Cereals, maize, oilseed rape ¹

¹regard crop rotation diseases

N Potential
approx. 100 kg/ha



Also available
as N-Fixx 50

Leguminous:

TerraLife®-N-Fixx

Rapid soil coverage and nitrogen fixation

- All-round mixture with excellent freezing-off characteristics
- Very good nitrogen accumulation
- Rich bee forage

Composition	Common vetch, field pea, Egyptian clover, linseed, sparrose clover, sunflower, niger, serradella, sorghum, phacelia, field bean
Sowing rate	40–45 kg/ha
Sowing date	End of July to 25 August (before rapeseed until 15 July)
Crop rotations	Cereals, maize, oilseed rape, sugar beet

N Potential
approx. 30 kg/ha



Also available as
BetaMaxx 30
and BetaMaxx 50

Sugarbeet rotations:

TerraLife®-BetaMaxx DT

The cover crop mix for sugar beet cultivation

- Freezes off very well
- Creates ideal seedbed conditions for sugar beet
- Also for oilseed rape crop rotations

Composition	Bristle oat, field pea, common vetch, niger, tillage radish, phacelia, linseed, serradella, Abyssinian cabbage, Egyptian clover
Sowing rate	30–35 kg/ha
Sowing date	Mid-July to 25 August
Crop rotations	Cereals, maize, sugar beet, oilseed rape ¹

¹regard crop rotation diseases

Early sowing:

TerraLife®-EarlySummer

Ideal after cereal harvest

- Crop rotation neutral
- Ideal within oilseed rape crop rotations
- Good soil incorporation in spring

Composition	Niger, sparrose clover, sorghum, phacelia, linseed
Sowing rate	20–25 kg/ha
Sowing date	End of June to mid-August
Crop rotations	Cereals, oilseed rape, sugar beet, maize

N Potential
approx. 60 kg/ha



Winter hardy mixture for late sowing:

TerraLife®-CoolSeason

Grass-free winter hardy cover crop mix

- Ideal for late sowing and cool regions
- Very good erosion protection over winter
- Highly suitable as set-aside or wildlife mixture

Composition	Rye, bristle oat, winter forage rape, crimson clover, turnip, Hungarian vetch, Abyssinian cabbage, Persian clover, tillage radish, linseed, false flax
Sowing rate	12.5–15 kg/ha
Sowing date	End of August to end of September
Crop rotations	Cereals, maize

N Potential
approx. 30 kg/ha



Winter hardy mixture for late sowing:

TerraLife®-ForageRooter

A high-yielding classic – DSV's Landsberg mixture

- High-protein forage
- Good winter hardiness
- Excellent improvement of the crumb structure

Composition	Italian ryegrass, crimson clover, hairy vetch
Sowing rate	50 kg/ha
Sowing date	End of August to mid-September, from mid-May as undersowing
Crop rotations	Oilseed rape, potatoes, sugar beets, cereals, maize

N Potential
approx. 80 kg/ha



Composition can differ, depending on the legal framework within different countries or availabilities of single components.

DT = Radish Deeptill

The interactive combination with the main crop:

TerraLife® CompanionCrops

The latest findings show that main crops benefit from intelligently combined plant communities. This is why DSV offers biodiverse mixtures of species developed for companion cropping and undersowing in maize, oilseed rape, cereals and potatoes.

Benefits:

- Stabilisation of the soil structure and protection against erosion
- Improvement of the nutrient dynamics and protection against nutrient losses
- Increase of the photosynthetic active leaf area

		Main crop				
Mixtures		Composition	Cereals	Oilseed rape	Potatoes	Maize
Companion crops	CerealPro	Perennial ryegrass, white clover, linseed, bird's-foot trefoil, crimson clover, phacelia, ribwort-plantain, false flax	●			
	BrassicaPro	Linseed, serradella, blue lupin, Persian clover, Egyptian clover, niger		●		
	SolanumPro	Common vetch, linseed, perennial ryegrass, ribwort-plantain, niger, Persian clover			●	
	ZeaPro NEW!	False flax, Hungarian vetch, linseed, crimson clover, Swedish clover, ribwort plantain				●
Undersowings	HumusPlus 1.1	Perennial ryegrass, Italian ryegrass				●
	HumusPlus 1.2	Chewing red fescue, hard fescue				●
	HumusPlus 2.1	Perennial ryegrass (late), white clover	●			
	HumusPlus 3.1 also available as organic mix	Red fescue, perennial ryegrass, white clover	●			
	HumusPlus 3.2	Red fescue, white clover	●			
	HumusPlus 5.1 Organic	Perennial ryegrass, red clover, crimson clover, alfalfa, white clover	●			

Our best single components

Our cover crop varieties ensure the success of the following main crop. DSV offers a wide range of cover crop varieties and has solutions for different requirements. Many varieties are the results of DSV's successful cover crop breeding. Constant research and development enhance our quality every day. White mustard and oil radish have always been very common in cover cropping. Breeding of nematode reducing varieties often secures or even allows the intensive cultivation of beets and vegetables in many regions. Our varieties combine just the best characteristics.

DSV cruciferous

Name	Species	Available in organic	Susceptibility for <i>H. schachtii</i>	Other nematode resistances	Matter production at the beginning	Tendency for flowering	Sowing time		
							Early sowing*	Medium sowing*	Late sowing*
RADETZKY	oil radish	✓	2	<i>Meloidogyne chitwoodi</i> , <i>M. falax</i> , <i>M. minor</i>	5	3			
RESET	oil radish	✓	1		6	3			
TRIDENT	oil radish		2	<i>Meloidogyne chitwoodi</i> , <i>M. hapla</i>	7	3			
BRUTUS	oil radish	✓	2**						
PASSION	white mustard		2		6	3			
CONVEX	white mustard		2		4	2			
ConceptOne	white mustard		1		6	3			
POLE POSITION	white mustard		1		6	3			
LITEMBER	white mustard	✓			7	5			

Based on BSA-results, Germany 2025 Range: 1–9 (1 = low expression degree, 9 = high expression degree)
*in warm temperate climate zones like in Central Europe **based on Belgium trial results

Oil radish (*Raphanus sativus*)

RESET

Best for sugar beets

- Highest possible resistance against *Heterodera schachtii*
- Low tendency to lodging and flowering

TRIDENT

Three times excellent against nematodes

- Resistances: *Heterodera schachtii* (cat.2); *Meloidogyne chitwoodi*, *hapla*, and clubroot
- Nematode control in intensive crop rotations with sugar beets, potatoes and vegetables
- Fast early growth for good weed suppression

Mustard (*Sinapis alba*)

POLE POSITION

Late all-rounder

- Highest possible resistance against *Heterodera schachtii*
- Tolerates late sowing
- Short, stable growth type

Winter forage rape (*Brassica napus*)

GORILLA

High yield and dry matter content

- The dark green and re-growing forage rape
- Early sown (late spring) GORILLA can be grazed or cut two times in the same year
- Very good standing ability and tolerant to clubroot

LICAPO

Palatability and high digestibility

- High-yielding 00 forage rape, thus free of erucic acid and low content of glucosinolates
- Good general resistance and a high leaf-to-stem ratio ensure a good palatability and digestibility
- Well-suited for silage production or grazing

Crimson clover (*Trifolium incarnatum*)

ZORRO

Organic
quality also available

Suitable for later sowing

- Excellent youth development
- Early flowering
- Medium to tall plant length

LINKARUS

Organic
quality also available

Suitable for many uses

- Characterised by fast growth
- Intermediate flowering
- Medium plant length

Turnip (*Brassica rapa rapa*)

MARCO

Grazing preference

- Early maturing tetraploid variety
- Mid-summer sowing for grazing in autumn and winter
- Resistant to bolting and tolerant to clubroot and alternaria



Field pea (*Pisum sativum*)

PISKATOR

Organic
quality also available

Short and robust type

- Late flowering
- Less prone to lodging
- White flower

LIVIOLETTA

Organic
quality also available

Forage variety

- Medium flowering
- Intense soil coverage
- Purple flower

Hairy vetch (*Vicia villosa*)

Otsaat Dr. Baumann's

Organic
quality also available

N-fixing and soil improving

- For winter cover crop cultivation with good winter hardiness and tillering as well as lush foliage
- Ideal overwintering green manure previous to maize and root crops
- Low lodging tendency

Camelina (*Camelina sativa*)

LIGENA

Organic
quality also available

Great adaptability to different conditions

- Suitable for cultivation under low-input conditions
- Low susceptibility to disease
- Good weed suppression

Linseed (*Linum usitatissimum* L.)

LIRINA

Organic
quality also available

Blue flowering and deep rooting

- Late flowering
- Medium plant length
- Low seed weight

Buckwheat (*Fagopyrum tataricum*)

LIFAGO

Organic
quality also available

Large leaves for excellent ground cover

- Especially bred for cover crop use
- Impressive high organic matter production based on fast early growth
- Freezes off reliably

Tagetes (*Tagetes patula*)

PROUD MARY

Nematode reduction and weed suppression

- Perennially effective against *Pratylenchus penetrans*
- Effective weed suppression
- High tagetes type with high biomass production



» With Zorro, we are setting a new standard in crimson clover: rapid emergence, early development, and a lot of biomass. This variety has been specifically bred for use in TerraLife® CoverCrops – as a powerful building block for successful soil improvement. «

Nic Boerboom, DSV plant breeder



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