

Guide to Seed Varieties

 **DLF**
TRIFOLIUM
SEEDS & SCIENCE



Guide to Seed Varieties

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Amenity



DLF-TRIFOLIUM SEEDS & SCIENCE

DLF-TRIFOLIUM focuses closely on the demands of customers as well as on the market trends of clover and grass seed. Offering one of the world's largest research and breeding programmes for both turf and forage, DLF-TRIFOLIUM is working continually to improve the quality and reliability of all varieties. To meet market expectations, these varieties are tested through a worldwide trialling network for adaptation to different climatic and environmental conditions.

DLF-TRIFOLIUM is the world's largest producer and distributor of grass seed. With subsidiaries in Denmark, Sweden, Holland, Belgium, UK, United States, France, Germany, Czech Republic, Russia, China and New Zealand, an extended distributor and customer network is sufficiently able to serve the markets worldwide.





A perspective view down a long, narrow greenhouse. On both sides, rows of plants are growing in pots, each covered with a white, translucent protective bag. The plants appear to be young grasses or forage crops. The greenhouse has a high, vaulted ceiling made of a dark metal frame with many parallel wooden or metal ribs. At the far end of the greenhouse, there is a bright, multi-paned glass door or window, creating a strong light source and a sense of depth. The floor is a light-colored, smooth concrete or stone path.

Creating
forage varieties
with the highest
feed quality

RED CLOVER

PLOIDY		LISTED/ RECOMMENDED IN	LATENESS	WINTER HARDINESS	YIELD
AMOS	T	A,CZ,D,DK,F,S,SK,UK			
BESKYD	T	A,CZ,I,SK			
BIVOLJ	T	CZ			
DOLINA	T	BY,CDN,CZ			
FRESKO	T	CZ			
KVARTA	T	A,CH,CZ,D,SK,UA			
LONE	T	FIN,S			
MARO	D	CH,D,EST			
PAVO	D	D			
RAJAH	D	DK,EST,HR,LV,S,SI			
SUEZ	D	CZ			
VENDELIN	D	CZ			
VESNA	T	A,CZ,EST,HR,LIT,RO,RU,SK			

Red clover (Trifolium pratense L.)

Red clover thrives well in a wide range of soils except very light, acidic or water-logged soil. It has a deep rooted system which makes it **drought tolerant**. Red clover is an important component of clover/grass mixtures for one or two year

conservation leys. In most countries with a **temperate climate**, red clover is widely cultivated and tolerates low temperatures during winter. The tetraploid varieties are more vigorous and leafy in growth.

WHITE CLOVER

		LISTED/ RECOMMENDED IN	LEAF SIZE	TOLERANCE TO CLOSE GRAZING	YIELD
ALBERTA		F,NL,RU,UK			
AVOCA		IRL,UK			
CHIEFTAIN		IRL,UK			
GALWAY		UK			
JUMBO		I			
KLONDIKE		A,D,DK,EST,F,RU,S			
MILAGRO		F			
MILKANOVA		A,CND,CH,D,DK,E,EST,I,N,RU,S,SI,UK			
MILO		CH,CZ,F,LU,RU,UA			
NANOUK		CZ,I,RU			
PEPSI		CH			
RABBANI		D			
RETOR		EST,HU,L,LIT,NL,RU			
RIESLING		CZ,D,F,NL,PL,S,UK			
RIVENDEL		CZ,D,DK,E,EST,F,LIT,NL,RO,RU,S,SI,UA			
RONNY		EU			

White clover (Trifolium repens L.)

White clover thrives very well in **soils with good water capacity**. The yield on sandy soils is very high provided there is sufficient moisture from rainfall or irrigation. White clover is more **persistent** than red clover and forms many new shoots from the stolons. **Winter hardiness is good**. White clover in

grassland **increases palatability and intake of cattle significantly**. **Digestibility, including flowerheads, is very high**. The small leaved varieties are well suited for grazing whereas the large leaved types can be used for conservation as well.



LUCERNE

	LISTED/ RECOMMENDED IN	APP. DORMANCY RATE	WINTER HARDINESS	PROTEIN CONTENT	YIELD
CRENO	LIT,PL				
DAISY	DK,EST,F,HR,LV,NL,RO,SI,TR				
VELA	A,CH,DK,PL,UK				

Lucerne (Medicago sativa L.)

Alfalfa is grown in most temperate regions of the world. It **thrives very well on well-drained soils with a sufficient content of lime, potash and phosphate**. It has a deep tap root system and is thus able to withstand severe drought. It is a productive plant with high nutritional value. It has an early spring growth and rapid regrowth

after cutting. Alfalfa can be **conserved as hay** but it is also **possible to ensile the crop** by mixing it with grasses, alternatively by **drying it artificially and making it into pellets**. Alfalfa is divided into **dormancy rates** that refer to autumn growth after the last cut.

ALSIKE CLOVER

	LISTED/ RECOMMENDED IN
ERMO	CZ,DK,EST,JP,PL

Alsike clover (Trifolium hybridum L.)

Alsike has growth characteristics of both **red and white clover**. It thrives well in **acidic and water-logged soils** and is used in mixtures

with grasses suitable for these conditions. The persistence of the clover is normally 2-3 years.

BLACK MEDICK

	LISTED/ RECOMMENDED IN
VIRGO	EU

Black medick (Medicago lupulina L.)

Black medick is mainly used for intercropping for **green manuring**. The crop is undersown in a spring cereal and is ploughed under in the late

autumn or following spring. Black medick is used for forage as well.

BIRDSFOOT TREFOIL

	LISTED/ RECOMMENDED IN
LOTANOVA	I,S

Birdsfoot trefoil (Lotus Corniculatus)

Birdsfoot trefoil **thrives well in drought-prone and less fertile soils** due to the deeper tap roots. It produces **high quality forage** and

the **content from tannins** prevents bloating in grazing cattle. It is normally shorter lived than white clover.

PERENNIAL RYEGRASS

	PLOIDY	LATENESS	LISTED/ RECOMMENDED IN	PERSISTENCE	RUST RESISTANCE	SPRING GROWTH	WINTER HARDINESS	GROUND COVER	YIELD
IKAROS	D	2	D						
KIMBER	D	2	A,DK,UK						
PIMPERNEL	D	2	A,BY,EST,HR,I,LU,SK,YU						
SAMBIN	D	2	D,L						
TELSTAR	D	2	A,D,PL						
BELRAMO	D	3	D						
SHERWOOD	D	3	UK						
BREE	D	4	D,F,NL						
CALVANO 1	D	4	NL						
CASHEL	D	4	IRL						
DOMIATTI 1	D	4	NL						
FRISIAN 1	D	4	NL						
GANDALF	D	4	NL,UK						
INDIANA	D	4	B,D,DK,F,NL						
LAGUNA	D	4	NL						
MONGITA	D	4	D,UK						
ORANTAS	D	4	NL						
PREMIUM	D	4	A,CH,CZ,D,F,IRL,NL,UK						
RESPECT	D	4	CZ,D,LV,NL,PL						
SHANDON	D	4	IRL						
SIBASA	D	4	DK,NL						
ABOSAN 1	D	5	NL						
ARAKAN	D	5	D						
AVILENA 1	D	5	NL						
BUTARA 1	D	5	UK						
DEFENDER	D	5	F						
DENVER	D	5	D,EST,IRL,NL,UK						
GEFION	D	5	F						
LAUREL	D	5	F						
OPTION	D	5	A,CZ,D,DK,NL						
STEFANI	D	5	D,DK						
BURLINA 1	D	6	NL						
FEEDER	D	6	D,LV,PL						
GELTAX 1	D	6	NL						
JALINAS	D	6	NL						
MATEON 1	D	6	NL						
RECOLTA	D	6	CZ,D,NL,PL						
SPONSOR	D	6	A,D,NL,PL,UK						
ASIAGO 1	D	7	NL						
ASTURION	D	7	DK,F,NL						
CATALO 1	D	7	NL						
DORNA	D	7	F						
EIFFEL	D	7	F						
FOXTROT	D	7	A,B,D,DK,S,UK						
HERBIE	D	7	CZ,D,DK,EST,F,PL,RU,S						
JUMBO	D	7	E,F,LU						
KABOTA	D	7	D						
KETARION 1	D	7	F						
LISSO	D	7	DK,UK						
PASTOUR	D	7	DK,UK						

PERENNIAL RYEGRASS

	PLOIDY	LATENESS	LISTED/ RECOMMENDED IN	PERSISTENCE	RUST RESISTANCE	SPRING GROWTH	WINTER HARDINESS	GROUND COVER	YIELD
ROMARK	D	7	NL,UK						
CADANS	D	8	F,NL						
CANCAN	D	8	B,D,IRL,LU,NL,UK						
OHIO	D	8	F						
PORTIA	D	8	F						
TRANI	D	8	A,DK,LU,SI						
ANACONDA	T	1	IRL,NL,UK						
IMPRESARIO	T	1	F						
GIANT	T	2	D						
JARAN	T	2	CZ						
NEPTUN	T	2	D						
PRESTIGE	T	2	F						
ROSALIN	T	2	F,L,UK						
TETRAMAX	T	3	D,DK,F,LU,N,PL,UK						
AUBISQUE	T	4	A,D,EST,F,IRL,L,N,NL,PL,UK						
MAGICIAN	T	4	IRL,LU,UK						
MATHILDE	T	4	CZ,DK,EST,LV,LU,N,PL,RU						
NAPOLEON	T	4	EST,IRL,LV,LU,N						
TRINTELLA	T	4	D,UK						
CALIBRA	T	5	A,B,BY,CH,CZ,D,DK,EST,F,HR, LIT,LV,LU,PL,RO,RU,S,UK,YU						
EUROSTAR	T	5	D,F,L,UK						
FORNAX	T	5	IRL,UK						
GARIBALDI	T	5	DK,F,PL,RU						
GLENSTAL	T	5	IRL,UK						
GODALI 1	T	5	UK						
GREENGOLD	T	5	IRL,LU,UK						
KERTAK	T	5	CZ						
TOVE	T	5	DK,E,I,JP,LIT,N,S						
TWINS	T	5	A,CH,D,L						
AVIARA	T	6	B,DK,UK						
EMINENT	T	6	F						
GRUMELLO	T	6	DK						
KENTAUR	T	6	CZ,D,DK,SK,F						
LOPORELLO	T	6	D,S						
MISSOURI	T	6	B,CZ,D,RU						
MONTANDO	T	6	A,D,EST,PL,S						
MONTOVA	T	6	D,UK						
MONTOVANI	T	6	F						
NAVARRA	T	6	D						
SIGNUM	T	6	D,F						
TURANDOT	T	6	A,D,DK,LV,LIT						
AMBROSE	T	7	DK,F						
ARUSI	T	7	CZ,D						
COOPER	T	7	D,UK						
DAGONAN 1	T	7	F						
ELGON	T	7	CH,D,EST,IRL,L,NL,SK,UK						
EXPERT	T	7	F						
FORZA	T	7	D,EST						
GLENCAR	T	7	IRL,UK						

PERENNIAL RYEGRASS

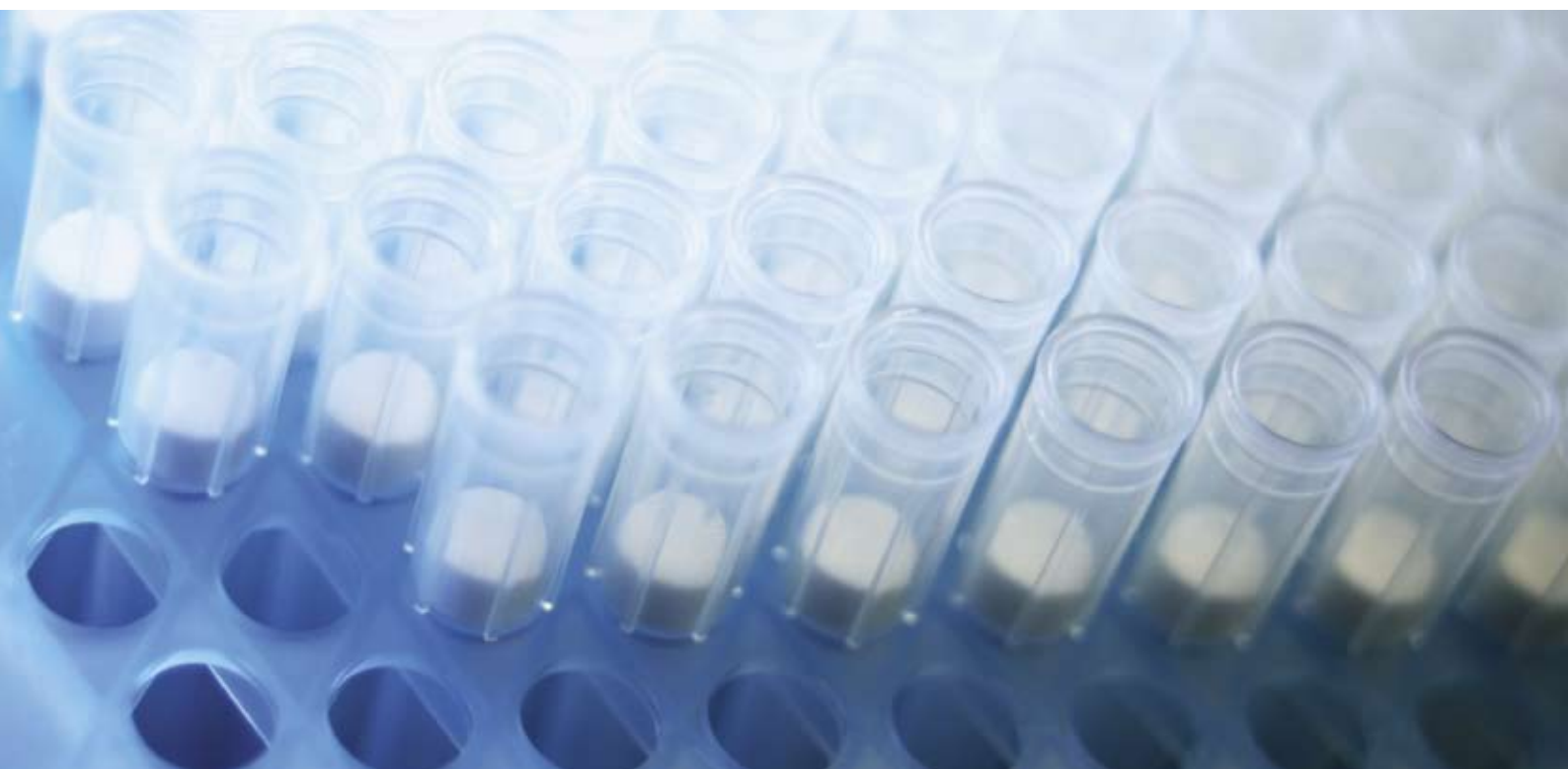
	PLOIDY	LATENESS	LISTED/ RECOMMENDED IN	PERSISTENCE	RUST RESISTANCE	SPRING GROWTH	WINTER HARDINESS	GROUND COVER	YIELD
KOROK	T	7	CZ						
MODANE	T	7	F,NL						
MONTAGNE	T	7	CZ,EST,LIT,PL,RU						
POLIM	T	7	B,D,DK,F,NL,UK						
PROTON	T	7	CH,D,F						
RODERICK	T	7	F						
SPHINX	T	7	F						
TURMALIN	T	7	F						
CHEOPS	T	8	D,F						
GALLANT	T	8	F						
MILLENNIUM	T	8	IRL,UK						
PENDUICK	T	8	F						
TIVOLI	T	8	A,B,CZ,D,EST,F,IRL,LIT, LU,PL,RO,S,SI,UK						
TWYMAX	T	8	D,F,UK						
ALTUS	T	9	F,NL						
CHABREL	T	9	F						
FABULA	T	9	F						
MAURICE	T	9	DK,UK						
MIZUNO	T	9	D						
TINTUREL	T	9	F						

Lateness 1-9, 9 = very late

Perennial ryegrass (Lolium perenne L.)

Perennial ryegrass is a **high yielding, high quality grass**. The best varieties are very persistent under a grazing management, provided they are well fertilised, well managed and the winters are not too severe. In cold areas perennial ryegrass plays an important role in short term leys with high yields and quality. Perennial ryegrass is

compatible in mixtures with white clover. It is suitable for cultivation in most types of soils except very wet land. Perennial ryegrass is available in early, intermediate and late heading types and in diploid and tetraploid forms.



A close-up photograph of green grass blades. The blades are long and narrow, with a vibrant green color. A prominent joint on a stem in the lower right shows a purple or magenta hue. The background is blurred, showing more grass blades.

Growth and
development



A black and white cow is running from left to right through a dusty path. The path is flanked by a metal fence on the right and a large, leafy tree on the left. The background is bright and hazy, suggesting a sunny day. The cow is kicking up a cloud of dust as it runs.

**More milk per cow
with forage grasses
from DLF-TRIFOLIUM**

HYBRID RYEGRASS

	PLOIDY	LISTED/ RECOMMENDED IN	DENSITY	RUST RESISTANCE	SPRING GROWTH	YIELD
ALIGOTE	T	F				
BLASON	T	F				
CITELIAC	T	DK,UK				
DIPLOMAXI	D	D				
FORTIMO	T	D,F				
HYBRIX	D	F				
MARMOTA	T	CH,DK,NL				
MOLISTO	T	CZ,EST,PL,UK				
MOTIVEL	T	F				
POLLY	T	D,E,F,UK				
REDUNCA	T	CH,F,D				
RIGA	T	A,F				
SOLID	T	DK,UK,YU				
STORM	T	DK,S,UK,YU				
TETRATOP	T	D				
TEXY	T	E,F				
TIRNA	T	F				

Hybrid ryegrass (*Lolium x boucheanum* Kunth)

Hybrid ryegrass is a cross between perennial and Italian ryegrass **combining yield, quality and persistence**. Types range from perennial ryegrass, intermediate and Italian types. Usage has mainly been for conservation, but the new perennial types have proved to be excellent for grazing. Hybrid ryegrass has **improved**

drought tolerance to Italian ryegrass, especially the very dense hybrids. Spring growth is similar to early perennial ryegrasses whereas the heading is more like intermediate perennials. This gives a great deal of **flexibility in the spring** and high quality forage.

ITALIAN RYEGRASS & WESTERWOLDICUM

	PLOIDY	LISTED/ RECOMMENDED IN	PERSISTENCE	RUST RESISTANCE	SPRING GROWTH	YIELD
ALAMO	D	D,UK				
CAVOUR	D	F				
CORDELIA	D	D,F				
EF 486 DASAS	D	DK,JS				
FOX	D	F,UK				
HOWARD	D	UK				
PODIUM	D	B,F,A				
PROSPECT	D	B,UK				
SIKEM	D	DK,E,KR,SK				
ZARASTRO	D	B,D				
ALOUETTE	T	F				
ANTONIA	T	F,I				
AURELIA	T	F				
CABALLO	T	F,A				
DANERGO	T	A,D,DK,EST,HU,I,IS,LU,SI,UK				
DOMINO	T	F,I				
JEANNE	T	D,F,I,PL				
MONARQUE	T	F				
MONDORA	T	D,EST,FIN,N				
MONTBLANC	T	EST,F,NL				

ITALIAN RYEGRASS & WESTERWOLDICUM

	PLOIDY	LISTED/ RECOMMENDED IN	PERSISTENCE	RUST RESISTANCE	SPRING GROWTH	YIELD
MULTIMO	T	EU,TR				
PARFAIT	T	F				
SULTAN	T	UK				
TAURUS	T	B,D,NL				
TROCADERO	T	DK				
TURGO PAJBJERG	T	DK,E,FIN,IS,N				
VICUGNA	T	CH,D				
ZORRO	T	D,F,A				
ANDY	WW/T	DK,F,IS				
ANGUS 1	WW/T	D				
ARAMO	WW/T	F				
AVANCE	WW/T	DK,EST,FIN,I				
AXCELLA	WW/T	D				
CARAMBA	WW/T	CH,E,P,TR				
CAREMO	WW/T	D,N,S				
CLIPPER	WW/T	CH,E,EST,IS,N,S				
GRAZER	WW/D	D				
GRAZER NOVA	WW/D	D				
JIVET	WW/T	A,CH,CZ,D,EST,I,SK,F				
JUMPER	WW/T	D				
LABELLE	WW/T	E,EST,N,F				
LOLAN	WW/T	CZ				
LOMIKAR	WW/T	SK				
LOTRANNO	WW/T	SK				
MADALENA	WW/T	I				
MAJOR	WW/T	EU,N				
NERISSA	WW/D	F				
NIVAL/TORERO	WW/T	ESP,FIN,S				
PELETON	WW/T	CH,E,EST,F				
PRIMORA	WW/T	CH,D,N				
PROMPT	WW/D	E,F				
SURREY	WW/D	I				
TOPSPEED	WW/T	F				
VESPOLINI	WW/T	I				
VIVARO	WW/T	D				
WESLEY	WW/T	D,FIN				

WW = westerwoldicum

Italian ryegrass (Lolium multiflorum L.)

Italian ryegrass is **one of the fastest growing grasses** available to farmers. It establishes well and starts growing early in the following spring. It has a rapid regrowth after cutting and the **quality of the grass is very high** in respect of digestibility. It thrives on all kind of soils and is **mainly used for conservation** in short duration leys, often in mixtures with red clover. New varieties have good persistence suitable for 2-3 years use in mild climates. A lot of Italian ryegrasses are used for **intercropping**, i.e. between maize crops. Italian ryegrass exists in diploid and tetraploid forms.

Westerwoldicum is the **annual type of Italian ryegrass and the fastest growing grass**. Contrary to Italian ryegrass, it forms stems during the sowing year. Westerwoldicum is used when high production of hay or silage is required within 3-6 months after sowing. Differences between diploid and tetraploid varieties are small.





**Careful selection
of the best
varieties**

FESTULOLIUM

	TYPE	LISTED/ RECOMMENDED IN	PERSISTENCE	DENSITY	RUST RESISTANCE	SPRING GROWTH	WINTER HARDINESS	YIELD
ACHILLES	Tall fescue	CZ,F,SK						
BECVA	Italian/westerw.	CZ,I,SK						
FELINA	Tall fescue	CZ,EST,FIN,LIT,LV,N,RU,SK						
HYKOR	Tall fescue	CZ,DK,EST,RU,S,SK						
FOJTAN	Tall fescue	CZ						
LOFA	Perennial/hybrid	CZ,EST,RO						
PAULITA	Italian	D,N,S						
PERSEUS	Italian	CZ,SK						
PERUN	Italian	CZ,DK,EST,S,SK,UK						

Festulolium

Festulolium is a **cross between festucas (meadow fescue/tall fescue) and lolium (Italian ryegrass)**. This creates a **combination of high quality with good winter hardiness, persistence and stress tolerance**. As a result of crossing/backcrossing and selection,

DLF-TRIFOLIUM has types similar to tall fescue, Italian ryegrass and perennial ryegrass, all with improved characteristics taken from the parent crossings. This gives an excellent opportunity to extend the growth of high quality grass in cold regions.

MEADOW FESCUE

	LISTED/ RECOMMENDED IN	PERSISTENCE	WINTER HARDINESS	YIELD
DARIMO	A,CZ,D,EST,L,LIT,PL,RU			
JAMAICA	CZ,F			
KOLUMBUS	D			
LAURA	A,CZ,DK,D,EST,HR,LV,PL,RO,S,SI,SK			
NORILD	S			
RICARDO	D			
SENU PAJBJERG	DK,E,EST,LIT,LV,RO,RU,SK,UA			
STELLA	CZ,F,LU,LV,NL,PL,S			

Meadow fescue (*Festuca pratensis* Huds.)

Meadow fescue is a **very persistent grass**. It does not require high temperatures for active growth and is **very winter hardy**. It appreciates a **high soil moisture content**. Meadow fescue can be

grown successfully in a wide range of soils. Meadow fescue has early spring growth with a regrowth consisting mainly of leafy shoots. It is suitable for both cutting and grazing.

TIMOTHY

	LISTED/ RECOMMENDED IN	LATENESS	TOLERANCE TO GRAZING	YIELD
CLASSIC	D,NL			
COMER	A,B,D,UK			
COMTAL	CDN,L,RU,S,UK			
DOLINA	B,CDN,CZ,LU,NL,PL,S,UK			
GOLIATH	EST,NL			
MOTIM	NL,UK			
MOVERDI	CH,UK			
NARNIA	D			
PROMESSE	NL,LV,UK			
TILLER	A,CDN,CH,CZ,D,H,L,LIT			
TUNDRA	D,EST			
VEGA	EST,LIT,RU,S			
WINNETOU	UK,CDN			

Timothy (Phleum pratense L.)

This species is normally found growing wild in **fertile soils in good moist conditions**. It is a **persistent grass, which seldom suffers from frost damage**. If moisture is available, it tolerates high summer temperatures, but is best suited for cultivation in areas with temperate climatic conditions, including low-lying wet land. Timothy

starts growing early in the spring and offers good production in the autumn. Early types are mainly for conservation with a high first cut whereas the later types have a prolonged growth over the summer and are well suited for grazing.

TALL FESCUE

	LISTED/ RECOMMENDED IN	DIGESTIBILITY	DENSITY	WINTER HARDINESS	YIELD
CARMINE	F				
EMERAUDE	F				
EXCELLA	F				
FUEGO	F,EST,PL				
HYKOR	D				
JORDANE	F				
KORA	CH,CZ,D,HR,HU,PL,RO, SK,UA				
SEINE	E,EST,F				
TUSCANY	F				

Tall fescue (Festuca arundinacea Schreb.)

Tall fescue is **one of the most drought, heat and wear tolerant species**. Due to its large, deep rooted system it is able to take up water, also in very dry periods. Tall Fescue **tolerates high temperatures and stays green in a dry summer period** maintaining

production unlike many other species that have ceased growing. **New varieties have softer leaves and improved digestibility**. Tall fescues provide **good winter growth** compared to other species in mild winters.

OAT-GRASS

LISTED/
RECOMMENDED IN

MEDIAN

A,CH,CZ,PL,SK

Oat-grass (*Arrhenatherum elatius* L.P. Beauv.)

Oat-grass is a **tall growing grass which is especially used for hay**. It thrives very well in **dry and poor soils** due to its very deep rooted system. Growth starts early in spring and heading is also early. It

can be mixed with red clover and other tall growing grasses for hay or silage production in a 2 max 3 cut management. Because of a slightly bitter taste, it is not fed fresh to stock.

BROMUS

TYPE

LISTED/
RECOMMENDED IN

BLIZZARD

Sitchensis

F

Bromus

The use of brome grass is recommended especially on dry lands.

COCKSFOOT

LISTED/
RECOMMENDED IN

LATENESS

TOLERANCE TO
GRAZINGMIXTURE
ADAPTATION

YIELD

ALDEBARAN	D				
AMBA	A,BY,CND,CH,DK,EST,HR,HU,KR,LU,RO,RU,SK				
AMBASSADOR	A,D,LV,PL				
ARAMIS	F				
ATHOS	AR,E,F,LU,UK				
CABRETT	F,LU				
DONATA	D				
KARAVANE	D				
NIVA	CDN,CZ,LIT,LV,PL,SK				
SPARTA	ARG,EST,LIT,RU,UK				
POLLUX	D				

Cocksfoot (*Dactylis glomerata* L.)

Cocksfoot is a very **persistent grass**. It grows relatively slowly in the sowing year, but in the second and subsequent years it is very vigorous. Cocksfoot starts growing early in the spring and **regrowth after cutting consists mostly of leafy palatable shoots**. Growth in

summertime is important. Cocksfoot is grown under varying climatic conditions. It is **winter hardy and drought tolerant**. Early types are mainly used for conservation. Late types are excellent for grazing.





Our world is
dedicated to grass

PERENNIAL RYEGRASS

LISTED/ RECOMMENDED IN		LATENESS	DENSITY	FINENESS OF LEAVES	WEAR TOLERANCE	RESISTANCE TO RUST	COLOUR
ACE	D,F,UK	•	•	•	•	•	•
ACTION	D,F,NL,UK	•	•	•	•	•	•
ADVENT	CZ,F,SK,UK	•	•	•	•	•	•
AMADEUS	CZ,D,F,UK	•	•	•	•	•	•
BALLET	F,D, NL,UK	•	•	•	•	•	•
BEATRICE	D,F,UK	•	•	•	•	•	•
BELLAMINI	D,UK	•	•	•	•	•	•
BELLINI 1	F,UK	•	•	•	•	•	•
BERLIOZ 1	F,UK	•	•	•	•	•	•
BIZET 1	NL,UK	•	•	•	•	•	•
BOULEVARD	CZ,F,NL,PL	•	•	•	•	•	•
CAPRI	F,RU,HU,UK	•	•	•	•	•	•
CASSIOPEIA	DK,F,UK	•	•	•	•	•	•
CHAGALL	D,F,UK	•	•	•	•	•	•
CHURCHILL	UK	•	•	•	•	•	•
CLEOPATRA	D,UK	•	•	•	•	•	•
CONRAD 1	D,NL,UK	•	•	•	•	•	•
CORELLI 1	D	•	•	•	•	•	•
DANILO	DK,D,EST,HR,HU,LIT,RO,RU,S,UK	•	•	•	•	•	•
DELAWARE	CZ,F,RU,UK	•	•	•	•	•	•
DICKENS 1	D	•	•	•	•	•	•
DISCO	CZ,D,UK	•	•	•	•	•	•
DOREMI	D,NL,UK	•	•	•	•	•	•
DYLAN	F	•	•	•	•	•	•
ESQUIRE	HR,I,RU,UK	•	•	•	•	•	•
ESSENCE	F,UK	•	•	•	•	•	•
GATOR	CZ,D,F,PL,RU,SK,UK	•	•	•	•	•	•
GREENCUP	UK	•	•	•	•	•	•
GREENFAIR	DK,EST,F,HR,LIT,S,UK	•	•	•	•	•	•
GREENFLASH	D,F,UK	•	•	•	•	•	•
GREENWAY	D,DK,F,NL,UK	•	•	•	•	•	•
HUGO 1	NL,UK	•	•	•	•	•	•
JESSICA	D,DK,NL,UK	•	•	•	•	•	•
KELVIN	D,F,S,SK	•	•	•	•	•	•
KEYSTONE	I	•	•	•	•	•	•
KOKOMO	CZ	•	•	•	•	•	•
LISTZ	D,UK	•	•	•	•	•	•
LUGANO	D,NL,UK	•	•	•	•	•	•
MARGARITA	D,EST,F,LIT,S,UK	•	•	•	•	•	•
MADRID	D	•	•	•	•	•	•
MELBOURNE	D,NL,UK	•	•	•	•	•	•
MILAN	D,F	•	•	•	•	•	•
MONDIAL	CZ,D,EST,H,LIT,N,PL,RU,SK,UK	•	•	•	•	•	•
MONTREUX	CZ,D,F,NL,PL,SK	•	•	•	•	•	•
NERUDA 1	F,UK	•	•	•	•	•	•
NIKITA	D,F,UK	•	•	•	•	•	•

PERENNIAL RYEGRASS

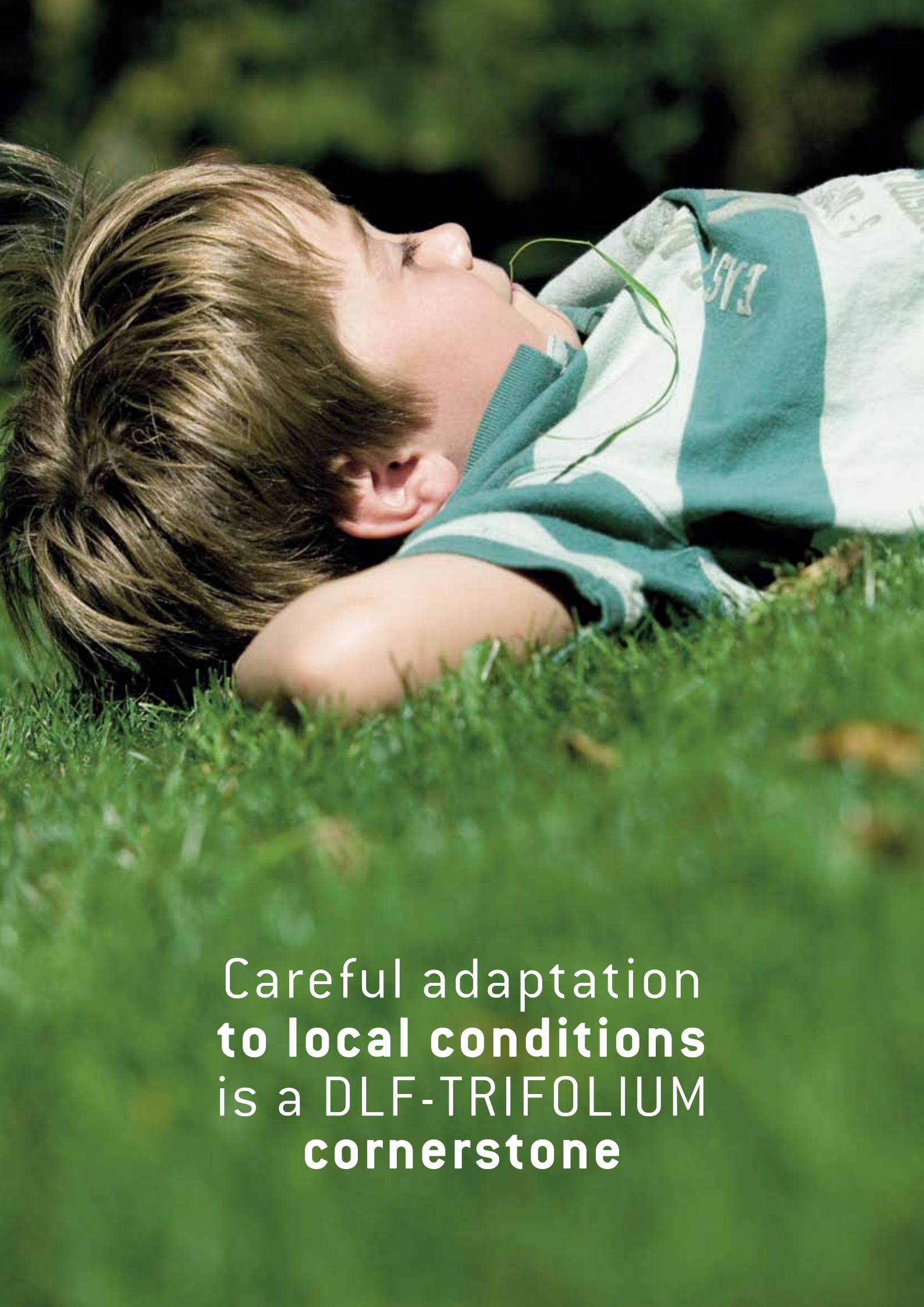
	LISTED/ RECOMMENDED IN	LATENESS	DENSITY	FINESS OF LEAVES	WEAR TOLERANCE	RESISTANCE TO RUST	COLOUR
NIKOLIN	D,DK,N,PL,UK						
NUMAN	CZ,F,PL,RU,SK,UK						
PIANIST	I						
PLATINUM	HR,UK						
PONDEROSA	I,HR,UK						
PONTIAC	D,UK						
RIVAL	D,DK,EST,H,PL,RU						
SAKINI	CZ,D,EST,HU,HR,LIT,PL,RO,RU,S,SI,SK,TR,UA						
SANREMO	D,UK						
SAUVIGNON	CZ,DK,D,EST,F,HR,UK						
STRAVINSKY	F,UK						
SUBLIME	F						
SUPERSTAR	D,UK						
TAYA	CZ,DK,D,EST,F,HR,HU,LIT,N,PL,RO,RU,S,SI,SK,TR,UA						
TOPHAT 2	I						
TRIMAN	F						
TWYPLAY	UK						
VERONIQUE	D						
VIENNA	D,F,UK						

Perennial ryegrass (Lolium perenne L.)

Perennial ryegrass is the **fastest establishing species** of all the turf grasses. It prefers milder climates, but tolerates temperatures down to minus 16-18°C without a snow cover. With a snow cover, ryegrass tolerates even lower temperatures. In temperate regions, perennial ryegrass is a true perennial with high persistence. It can be used on most soil types with the exception of very wet land. Perennial

ryegrass exists in early, intermediate and late types in respect to heading and spring growth. Perennial ryegrass has **very high wear tolerance** due to **fast regrowth of tillers and leaves**. This makes the species an essential ingredient in mixtures for sports. It demands regular fertilisation and cutting.





Careful adaptation
to local conditions
is a DLF-TRIFOLIUM
cornerstone

There are three types of red fescue for amenity purposes:

- 1 **Slender creeping red fescue**
type – rubra trichophylla
- 2 **Chewings fescue**
type – rubra commutata
- 3 **Strong creeping red fescue**
type – rubra rubra

Red fescue (Festuca rubra L.)

Red fescue is found in many natural green areas on nearly all types of soils and under widely varying moisture conditions. Red fescue is relatively slow growing in the sowing year and has **very fine needle like leaves** and a **high shoot density**. It thrives under a wide range of

conditions but is notable for its **tolerance to dry, rather poor soil**. It is **very resistant to frost and drought** and it tolerates surface water during the winter to some extent. **Shade tolerance** is better than for most other species.

SLENDER CREEPING RED FESCUE

	LISTED/ RECOMMENDED IN	DENSITY	TOLERANCE TO CLOSE MOWING	COLOUR
AMARONE	DK,UK			
CAROUSEL	CZ,D,F,NL,UK			
CEZANNE	D,F,UK			
CINDERELLA	D,DK,NL,RU,S,UK			
DAWSON	A,CZ,D,EST,F,H,N,NL,S,RU,UK			
GREENLIGHT	F,UK			
GREENSPRAY	F			
HELENA	D,UK			
MOCASSIN	CZ,D,EST,NL,SK,TR,UK			
ROSITA	D,F,UK			
SAMANTA	CZ,D,F,NL,PL,RU,SK,UK			
SMIRNA	CZ,D,DK,EST,F,LIT,NL,PL,RU,S,UK			
TWYSPORT	UK			
ZAMBONI	D,F,UK			

Type: Rubra trichophylla

Rubra trichophylla has short rhizomes that facilitate the repair of gaps in the sward, but at a slower rate than rubra rubra. **Shoot density is very high** enhancing the species' ability to withstand **close mowing**. **High salt tolerance** makes trichophylla useful

in mixtures for roadsides and parks where salt is used on roads and paths during winter. The **drought and shade tolerance** of trichophylla is higher than for other red fescue types and this sub-species thrives well in a mild, coastal climate.



CHEWINGS FESCUE

	LISTED/ RECOMMENDED IN	DENSITY	TOLERANCE TO CLOSE MOWING	COLOUR
ALICE	CZ,D,EST,F,FIN,N,UK			
BELLEAIRE	D,F,UK			
BLLENHEIM	D,F,UK			
CALLIOPE	CZ,D,DK,FIN,EST,HR,LIT,N,NL,RU,S,UK			
CAPRICCIO	DK,D,F,HR,UK			
CARINA	D,DK,N,PL,RU,S,UK			
CASANOVA	CZ,D,SK			
CENTER	D,F,NL,UK			
DARWIN	CZ,D,F,N,PL,RU,SK,UK			
FLORASOL	D,UK			
GREENSLEEVES	D,F,PL,UK			
LEGENDE	D,F,HR,UK			
MAKYTA	D			
MARGRET	D,UK			
MARITZA	CZ,DK,UK			
MONUELA	D,UK			
RAYMOND	CZ,D,FIN,LIT,PL,RU,UK			
TROPHY	D,F,NL,UK			
WALDORF	D,EST,HR,NL,S,UK			

Type: Rubra commutata

Festuca rubra commutata has no rhizomes (bunch grass) but the **highest density of shoots** of the three types. When using commutata in mixtures, it is often necessary to add one of the other types of fescue with rhizomes (or *Poa pratensis*) in order to facilitate the infill and repair of gaps in the sward. In **cold areas**,

commutata is an important component as it has **higher winter hardiness** than other fescues. As shoot density is very high, commutata is an integral component of mixtures that require **close mowing**, especially for **golf greens**.



STRONG CREEPING RED FESCUE

	LISTED/ RECOMMENDED IN	DENSITY	COLOUR
ALMERITA	F,UK		
ANISET	CZ,D,DK,EST,PL,RO,RU,UK		
BACH	D		
CELIANNA	F,UK,PL		
CHOPIN	D,F,UK		
CINDY	CZ,D,F,NL,UK		
CORAIL	CZ,D,F,FIN,UK,PL,SK		
DIEGO	D,RU,UA,UK		
ELLIOTT	D,F,FIN		
FELIX	CZ,D,EST,FIN,LIT,N,NL,PL,UK		
FRANKLIN	D,EST,F,H,RU,TR,UK		
GREENSHINE	F,UK		
GREENVIE	F,UK		
HERALD	CZ,D,F,FIN,NL,PL,RU,S,SK,UK		
MARVIN	NL		
MAXIMA 1	F,D,HR,UK		
MYSTIC	D,F,UK		
RONDINO	D, FIN		
ROSSINANTE	D,DK,UK		
SERGEI	D		
SHADEWAY	D,F,PL		

Type: Rubra rubra

Rubra rubra is the most robust and adaptable of the three. By forming strong rhizomes, it is able to **close gaps** in the grass sward very quickly. It **tolerates extreme summer temperatures better than other red fescues**. Rubra rubra is faster to establish

than trichophylla or commutata and can be used individually or in conjunction with the other types of fescue to ensure a good recuperation of the grass sward.

HARD FESCUE AND SHEEP'S FESCUE

	TYPE	COLOUR	LISTED/ RECOMMENDED IN	DENSITY	TOLERANCE TO CLOSE MOWING
CANTONA	Hard fescue	Green	D,F,UK		
CRYSTAL	Hard fescue	Green	D,EST,F,NL,RU,UK		
DUMAS 1	Hard fescue	Green	F		
MANET 1	Hard fescue	Green	NL,UK		
MELROSE	Hard fescue	Green	D,F,NL		
NORDIC	Hard fescue	Green	D,F,N,NL,RU,UK		
RIDU	Hard fescue	Bluish	BY,CZ,DK,EST,HR,HU,LIT,PL,RO,RU,SI,SK,UA		
TRIANA	Hard fescue	Bluish	BY,DK,RU,UK		
QUATRO	Sheep's fescue	Green	CZ,D,F,NL,S,UK		

Hard fescue and sheep's fescue

(Festuca ovina L. and Festuca ovina L var. Duriuscula)
Hard fescue is one of the grasses with the **lowest input requirements**. It thrives in all kinds of soils but is found naturally in **light dry soils** in many regions. The more original types have a bluish colour and varieties are selected for their very high adaptation to **drought, heat and winter hardiness**. These varieties

are excellent in mixtures for less intensive areas such as roadsides, banks, dunes, etc., but they also play an important part in domestic lawns. New improved varieties match the colour and **leaf characters of red fescues** and have a very high density. The **shade tolerance** of hard fescue is good, similar to red fescue.



TALL FESCUE

	LISTED/ RECOMMENDED IN	DENSITY	FINENESS OF LEAVES	WEAR TOLERANCE	COLOUR
APACHE	CZ,D,F,H,SK,TR				
BEAGLE 1	NL,UK				
COCHISE	F,I,PL,RU,UA,UK				
DEBUSSY 1	D,F,UK				
ELDORADO	D,CZ,F,PL,SK				
FILIPPA	F				
FINELAWN	CZ,HR,I,RO,RU,SI,TR				
GREENZEAL	F				
JASMINE	I				
KONTIKI	D				
MASTERPIECE	F,UK				
MIRO	F,RU				
MONTERRAT	F,HR				
OLYMPIC GOLD	F				
REGIMENT	F				
REMBRANDT	I				
SOUTHERN COMFORT	I				
STARLETT	HR,I,RU,UK				
TOMCAT 1	F				
TULSA	CZ,D,F,RU				
VENANZIO	I				

Tall fescue (Festuca arundinacea L.)

Tall fescue is one of the most **drought, heat and wear tolerant** species. Due to its large and deep root system, it is able to take up water in dry periods when other grasses have stopped their growth. This means that tall fescue stays green in dry summer periods and tolerates high temperatures. The leaf texture is rather coarse compared to other turf grasses, but new varieties have been

much improved with narrow leaves. The leaf colour is normally dark green. Winter hardiness depends on the variety as the range goes from Mediterranean types with less winter hardiness to more continental types with good winter hardiness. In general, the disease tolerance is very high. Establishment is not as quick as for perennial ryegrass and a high seeding rate is recommended.

CREEPING BENT

	LISTED/ RECOMMENDED IN	DENSITY	FINENESS OF LEAVES
KROMI	CZ,DK,EST,HR,HU,LIT,RO,RU,SI,SK,TR,UA		
TAPETA	UK		

Creeping bent (Agrostis stolonifera L.)

The main use of creeping bent is on **golf greens**. This is due to the **very high recuperative capacity** and **shoot density** of the species, which makes it very adaptable to the **close mowing regimes** used

on these areas. Creeping bent can also be used in mixtures for very **dense lawn mixtures** due to its soft leaves and dense growth.

ROUGH-STALKED MEADOW-GRASS

	LISTED/ RECOMMENDED IN	FINENESS OF LEAVES	TOLERANCE TO CLOSE MOWING	WINTER HARDINESS	SHADE TOLERANCE
DASAS	DK,SI				
SABRENA 1	F				

Rough-stalked meadow-grass (*Poa trivialis* L.)

Poa trivialis is used in mixtures for **shady areas under more humid conditions**. *Poa trivialis* is also useful for **overseeding** warm season

grasses on golf greens where the species plays an important role.

BROWNTOP BENT

	LISTED/ RECOMMENDED IN	DENSITY	FINENESS OF LEAVES
ARLETTA	UK		
DENSO	D,F,PL,UK		
JORVIK	D,UK		
LANCE	HR,UK		
MANOR	UK		
POLANA	D,SK		
TIGER NOVA	NL,UK		
TRACENTA	N,NL,S,TR,UK		

Browntop bent (*Agrostis capillaris* L.-syn *Agrostis tenuis* Sibth.)

Browntop bent is used extensively on **golf greens in mixtures with red fescue** for low input purposes. It **tolerates close mowing**

very well. The **shoot density is high** and it is very **adaptable to changeable growing conditions**.

CREEPING BLUEGRASS

True Putt	
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Creeping bluegrass (*Poa annua* forma reptans)

Poa reptans is a perennial sub-species of *Poa annua* with stolons. It is very aggressive and can even crowd out *Poa annua*. Germination is very fast and the growth is upright which leads to a "True Putt" on

golf greens. It tolerates close mowing and the tolerance to shade and wet soils is high.

SMALL LEAVED TIMOTHY

	LISTED/ RECOMMENDED IN
TENO	DK,RU

Small leaved timothy (*Phleum bertolonii* DC.)

Small leaved Timothy is used in **cold, wet areas** where it tolerates extremes better than other species. This is particularly true where

plants will be **subject to total submersion in winter**.



A man in a striped polo shirt and khaki shorts is captured mid-swing on a golf green. In the foreground, a white golf ball sits on the grass next to a hole. The background is filled with lush green trees under a clear blue sky.

**Seed
Grass
Passion**

SMOOTH-STALKED MEADOW-GRASS

	LISTED/ RECOMMENDED IN	DENSITY	FINENESS OF LEAVES	WEAR TOLERANCE	COLOUR
JULIA	CZ,D,SK,UK				
SOBRA	DK,RU,S,UA				
BALIN	CZ,BY,RU,UA				
BROADWAY	D,DK,F,NL,HR,PL,RU,S,UK				
COCKTAIL	CZ,D,DK,EST,F,FIN,NL,S,SK,UK				
COMPACT	CZ,D,EST,F,HR,LIT,PL,RO,RU,SI,SK,UA				
CONNI	CZ,DK,D,EST,F,FIN,HU,LIT,N,NL,PL,RO,RU,S,SI,SK,TR,UA,UK				
CYNTHIA	A,CZ,D,EST,H,NL,PL,S,SK,UK				
DOLFINE	D,DK,FIN,S				
ENTOPPER	NL,S,SK				
EVORA	N				
GERONIMO	CZ,D,EST,F,FIN,H,HR,LIT,RU,SK,TR				
GREENSPORT	D,N,NL,UK				
HARMONIE	CZ,NL				
JULIUS	CZ,D,FIN,NL,SK,UK				
LARISSA	D,NL,UK				
MIRACLE	CZ,D,NL,PL,RU,S,SK,UK				
PANDURO	CZ,D,EST,HR,LIT,PL,RU,S,UK				
PENTAGON	D,UK				
PLATINI	I,RO				
MOZART 1	D,F				
YVETTE	D,F,NL,UK				

Smooth-stalked meadow-grass (Poa pratensis L.)

Poa pratensis is frequently found in the wild, in both mineral and humus rich soils in both northern and southern hemispheres. Fine-leaved varieties with excellent turf qualities have been selected. Poa pratensis is a **persistent species** with strong rhizomes and erect leafy shoots. Growth starts early in the spring and regrowth consists mainly of leafy material that can be mown very easily leaving

a clean cut. Poa pratensis **tolerates hard wear** and because of its rhizomes, it can **regenerate itself** even if the sward is badly damaged. Germination and establishment is slow. It is, however, drought tolerant and winter hardy. The heat tolerance of Poa pratensis is good which makes it a **perfect partner in mixtures with tall fescue**.

WHITE CLOVER

	LISTED/ RECOMMENDED IN
Piccolino - Microclover	EU
Pirouette - Microclover	EU
Popolina - Microclover	EU

White clover (Trifolium repens L.)

The breeding of white clover for turf is a speciality from DLF-TRIFOLIUM. In general, mixtures with white clover and fine grasses keep the lawn **much greener and healthy without the application of nitrogen**. Normal forage white clover varieties are

not suited and will not survive under regular mowing but the development of the new very small leaved varieties – **Microclover** – is a breakthrough in creating an environmentally friendly lawn, also suitable for close mowing.

Strong performances above and below ground

It is our pleasure to present you with a portfolio of superior grass and clover varieties for both agricultural and amenity purposes, including forage, sport, lawns, parks, turf production, etc.

Varieties from DLF-TRIFOLIUM are tested on multiple sites adapted for diverse climatic and soil conditions. Test sites include Europe, USA, China, Australia and New Zealand.

The seed production is processed at modern facilities and samples are analysed at DLF-TRIFOLIUM's ISTA accredited laboratories. Quality control is carried out at every stage of production ensuring that our grass seed meets with the highest customer demands.

In this brochure, the main characteristics of each single variety are rated and therefore it is very easy to determine the best varieties for a particular use.



Headquarters:

Ny Oestergade 9 • DK 4000 Roskilde • Tel. +45 46 33 03 00 • Fax +45 46 32 08 30 • www.dlf.com • dlf@dlf.com

Contact:

Holland • Tel. +31 73 5188555, **UK** • Tel. +44 1386 793135

United States • Tel. +1 800 445 2251, **Germany** • Tel. +49 511 901 390

Czech Republic • Tel. +420 556 756 130, **Russia** • Tel. +7 495 725 0931

China • Tel. +86 10 84977049, **New Zealand** • Tel. +64 3 982 7333