

Autumn pasture guide

High-performing
options for success.



think
SOLUTIONS
think **RAGT**



I am pleased to introduce the RAGT Autumn Pasture Guide for 2025. In here you will find a range of practical information on RAGT genetics, highlighting our commitment to being the partner of the agricultural world, finding innovative solutions to rise to the challenges of tomorrow.

The guide will help you select the best species and cultivars for your environment and forage needs. Each proven RAGT cultivar has a range of key agronomic features that translate into real, on-farm benefits, providing strong reasons to choose our leading genetics.

No matter where you are or what challenges you face, you can count on RAGT to offer a solution to your needs. This includes our comprehensive range of high-performance cultivars, our world-leading novel endophyte technology - RGT18, our seed treatment for seedling protection, and the expert local support and advice that ensure you maximise your return on investment.

Our tagline perfectly captures our promise to New Zealand farmers: "Think solutions. Think RAGT."

James White
Commercial Manager, RAGT New Zealand

High performance is the name of the game when it comes to choosing your autumn pastures. Whether you need quick results with something that will establish fast, or you need to boost your feed throughout the drier summer months with something drought resistant with longevity, we've got a pasture that's right for your farm.

In this guide, you'll get all the details about our range of products so you can find the perfect option for your pasture needs. Plus, we've included details on companion species and creating a more resilient farm system.

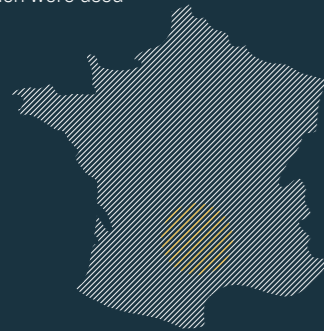
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DID YOU KNOW?

RAGT originates from 4 regions situated across France, all of which were used to create its name:

- > Rouergue
- > Auvergne
- > Gévaudan
- > Tarnais



ABOUT RAGT

RAGT breeds, produces and sells seeds globally. Varietal innovation is at the heart of its activity. With 32 species, RAGT has one of the largest species portfolios in the seed industry: maize, sorghum, cereals, oilseeds, protein crops, forages, cover crops and amenity.

RAGT SEEDS FIGURES



RAGT is the European leader in cereals and protein-rich species.



RAGT is recognised for the quality of its forage crops.



RAGT is an innovator in crops to support and develop sustainability in agriculture.

#1

European cereals leader

#1

Global spring barley leader

#1

European protein crops leader

20

Business subsidiaries

22

Breeding stations

48

Sales in 48 countries

17%

Invested in breeding

32

Species

52

Breeding programmes

1000

Employees (FTE)

RAGT CONTRIBUTION TO LIVESTOCK FARMING

RAGT is one of the seed companies with the broadest portfolios of forage species. This diversity of species covers most of the needs of current and future forage systems, which is a real strength in the face of climate change.

From annual to perennial species

Our company has specialists in breeding and agronomy for each forage species. Combined with the support of our field teams in our 20 subsidiaries, RAGT is able to combine your needs with our expertise to provide you with varieties specifically selected to support your growth. To the right, a few examples from RAGT:

Ryegrass

Cocksfoot Red clover

White clover

Lucerne

Tall fescue

PRODUCT SUMMARY

RAGT plant breeding is based on the fundamentals of great genetics teamed with high production. It's these foundations that help ensure the material we produce performs as expected in the field.

SHORT TERM GRASSES

RGT
Sultan
Diploid annual ryegrass



- > Fast establishment to bring pastures into production more quickly.
- > Being a diploid, you get more tillers per plant, enhancing competitiveness against weeds and increasing resilience.
- > Decreased potential for muddy areas during winter grazing.
- > Increased recovery speed.
- > Provides farmers access to a lower cost proprietary seed, without sacrificing performance.



- > Productivity drops after spring.
- > It will go to seed and not persist into late summer and autumn if on-farm plans change.

Maximise savings with more bang for your buck.

RGT
Indulgence
Diploid italian ryegrass



- > High tiller density enhances persistence and minimises soil damage during cool season grazing.
- > Increased feed flexibility compared to annual ryegrass, with high quality growth extending further into summer.
- > Quicker establishment enables later-sowing if weather conditions require.



- > If the summer becomes dry, Italian ryegrass can significantly lose quality.

Buy yourself some time.

RGT
Jeronimo
Prairie grass



- > Broad fit for dryland pasture systems where rotational grazing is used such as dairy run-off blocks or high-performance areas.
- > Palatable at all growth stages, even seedhead, so you can bank pasture/silage in front of you.
- > Early season growth, which can be very valuable in dryland environments.



- > Slower establishment compared to ryegrass.
- > Requires careful management to ensure re-seeding for increased longevity.

Great system versatility.

PERENNIAL GRASSES

RGT
Hustle
Diploid perennial ryegrass



- > Extend production seamlessly into autumn with excellent late-season growth.
- > Upright growth habit provides more space for legumes and herbs to thrive.
- > One of New Zealand's top performing perennial ryegrasses.



- > Production slows down at 20°C and stops at 25°C.
- > Avoid overgrazing in autumn, as the plant is trying to recover.

Now grows even better with RGT18 novel endophyte.

RGT
Moxie
Diploid perennial ryegrass



- > Offers strong yields during the key growing seasons of early spring and autumn, along with high levels of winter production.
- > Semi-upright growth habit provides a dense sward for increased ground cover and persistence.
- > High tiller density for good resilience to cool season grazing.



- > Production slows down at 20°C and stops at 25°C.
- > Avoid overgrazing in autumn, as the plant is trying to recover.

Ideal foundational cultivar.

PERENNIAL GRASSES

RGT
Greenly II
New generation cocksfoot



- > Thrives where other pastures struggle, tolerating drought and insects once established.
- > Highly productive and palatable whilst still being very persistent.
- > The ultimate pasture addition and should feature in all perennial seed mixes to help build summer resilience and enhance pasture diversity.



- > Can be slower to establish.
- > Creates a very dense sward that can be hard to undersow.

There when you need it and other species start to struggle.

RGT
Nouga
Tall fescue



- > Super soft leaves makes it very palatable and highly digestible.
- > An oceanic type that produces a flatter early spring growth curve, making pasture management easier.
- > Extremely clover friendly, unlocking even greater pasture production and animal performance.



- > It can take up to one year to reach maximum production. This time is spent building root mass underground, increasing tolerance to environmental stresses.

Redefining tall fescue.

LEGUMES

RGT
Rossi
Red clover



- > Growth starts very early in spring to match increasing animal demands.
- > Extremely high quality for maximum animal performance.
- > Can be used in a wide range of farm systems.
- > Will grow further into summer with a deep tap root once established.



- > Does not last as long as white clover.

Looking for help farming productively while meeting nitrogen caps? The answer is a greater use of clover in pastures.

RGT
Quest
White clover



- > Medium to large leaf size, suitable for all farm systems.
- > Strong tolerance to clover root weevil due to its high stolon density.
- > Good frost tolerance and winter growth.



- > Establishes more slowly than ryegrass.

RGT
Tobby
White clover



- > High production large leaf clover
- > Very good frost tolerance.
- > Reliable and suited to a range of systems.



- > Establishes more slowly than ryegrass.
- > Unsuitable for extensive sheep and beef systems.

RGT SULTAN

DIPLOID ANNUAL RYEGRASS

RGT Sultan has proven its performance over thousands of hectares worldwide. It gives farmers access to a lower cost proprietary seed that offers high production and cost savings. It's a good return on investment thanks to its lower sowing rate than tetraploid annuals. Plus, increased sward density offers greater resilience and better growth equates to better nitrogen utilisation.

MAXIMISE SAVINGS

VARIETY	SOWING RATE	SEEDS PER HECTARE	RRP
RGT Sultan	20kg/ha	10,000,000 seeds/ha*	\$94/ha
Tetraploid	30kg/ha	6,000,000**	\$150/ha

*Based on RGT Sultan seed weight of 500 seeds per gram.

**Based on Tama seed weight of 200 seeds per gram. Prices from November 2024.



MORE BANG FOR BUCK

RGT Sultan's low sowing rate delivers per hectare cost benefits upfront; it gives you more seed per dollar invested so you can stay on top of farm expenses without sacrificing performance, which can be the case with both uncertified or VNS (Variety Not Specified) seed.

Feed available	
Stock suitability	
Sowing rate	20kg/ha



LUSH INSTEAD OF MUSH

RGT Sultan can reduce the risk of muddy patches during winter grazing as an increase in plant and tiller numbers translates to less bare ground to pug up.



INCREASED RE-GROWTH ABILITY

Reduced pasture damage from pugging will increase the recovery speed and potential yield of the pasture.



BETTER UTILISATION OF NITROGEN

Greater growth leads to enhanced nitrogen (N) utilisation from animal excretion, thereby minimising the risk of nitrogen leaching.

RGT INDULGENCE

DIPLOID ITALIAN RYEGRASS

Flexibility is the name of the game when it comes to RGT Indulgence Italian ryegrass. It establishes quickly giving you wiggle room if weather pushes out your sowing date. It's versatile across a number of systems, and bred for high forage quality for optimum animal performance. Plus, it offers increased feed flexibility compared to annual ryegrass, with high quality growth extending further into summer.

RGT JERONIMO

PRAIRIE GRASS

RGT Jeronimo is a highly winter active prairie grass with a broad fit for pasture systems where rotational grazing is used (such as dairy run-off blocks). It is from our extensive research and development programme and was bred from a New Zealand selection to suit local conditions and needs.

BETTER FEED FLEXIBILITY

RGT Indulgence is known for its enhanced persistence and delayed seedhead production*, offering greater flexibility in late spring and summer. This allows for the option of additional grazing or cutting before spraying, or the opportunity to continue using its growth through another autumn and/or winter.

*(Compared to annual ryegrasses)


FAST ESTABLISHING

RGT Indulgence has been chosen for its rapid establishment, bettering your chances of having a well-established pasture before the onset of cooler weather, because if autumn rain arrives late it can be challenging to get it sorted before winter sets in. In cases where autumn-grazed crops like beet have been utilised, incorporating RGT Indulgence will enable earlier grazing after sowing.

INCREASED TILLER DENSITY

Greater tiller numbers result in a robust pasture for cool-season grazing, minimising the risk of pugging and pasture damage. This then helps preserve spring re-growth and reduces the likelihood of leaching and soil run-off after grazing.



Feed available	
Stock suitability	
Sowing rate	20kg/ha

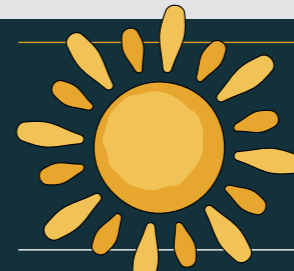
Feed available	
Stock suitability	
Sowing rate	20-30kg/ha As main grass component. 4-8kg/ha As secondary grass component of permanent pasture mix. 5-15kg/ha As a grass component in lucerne mixes.

HIGHLY VERSATILE

Use RGT Jeronimo as the grass component in lucerne mixes, as an alternative short term grass option, or as a resilient companion grass species in permanent pasture mixes to help provide a balanced and resilient pasture sward. It's particularly well paired with RGT Rossi red clover as it's less dense to allow legume expression. It can also be used for ground cover (no winter herbicide) and winter production in a lucerne mix.

VERY PALATABLE AND PRODUCTIVE

RGT Jeronimo is bred for good animal performance by being highly digestible with thinner leaves and stems. It's also palatable at all growth stages, even seedhead, so you can bank pasture/silage in front of you.



DRY FACTS

This cultivar flowers earlier than other similar types so you get more early season growth, which is very valuable in dryland environments.

RGT HUSTLE

DIPLOID PERENNIAL RYEGRASS

RGT Hustle stands out as one of New Zealand's top performing perennial ryegrasses; purpose-bred to deliver high quality feed that persists. With a +8 heading date and excellent late-season growth, use RGT Hustle to extend production seamlessly into autumn.



SUITABLE FOR ALL FARM SYSTEMS NATIONWIDE

RGT Hustle is now available with a range of endophyte options, allowing for a tailored selection based on your specific requirements.

RGT18 is recommended for regions dealing with black beetle, Argentine stem weevil, or Porina challenges that affect pasture persistence.

AR1 should be used in areas where grazing may include deer or horses.



PROVEN PERFORMANCE

RGT Hustle has been tested nationally through numerous independent trials, as well as RGT on-farm evaluations. Since its launch RGT Hustle has continued to grow in popularity among farmers year after year, driven by shared positive experiences.



HIGH LEVEL OF COMPATIBILITY

RGT Hustle grows upright that creates an ideal environment for other companion species and legumes to thrive; which means you get the added animal and nutrient benefits of higher legume content.

Now with RGT18 novel endophyte RGT Hustle performs even better!

- > RGT18's stronger pest protection improves productivity and persistence.
- > Stands out as one of New Zealand's top performing perennial ryegrasses.
- > Upright growth habit provides more space for legumes and herbs to thrive.
- > Extend production seamlessly into autumn with excellent late-season growth.



Feed available	
Stock suitability	 Depending on endophyte
Sowing rate	20kg/ha Dependant on mix, use lower rate with RGT Greenly II cocksfoot.
Heading date	+8 days
Endophyte options	RGT18, AR1, LE

RGT MOXIE

DIPLOID PERENNIAL RYEGRASS

RGT Moxie's a must-have for strong yields across the key growing seasons with high levels of winter production. Plus it offers robust durability and good resilience to cool season grazing. It's suited to a range of farm systems aiming for optimum results and is available with AR1 novel endophyte for pest protection.

RGT GREENLY II

NEW GENERATION COCKSFOOT

Our world-class RGT Greenly II new generation cocksfoot helps address some of farmers' biggest challenges. Not much will stop RGT Greenly II cocksfoot growing and outperforming many other species. It can tolerate drought and insects once established. It's highly productive and persistent, and has soft leaves animals like to eat. It's also reliable and versatile.

Feed available	
Stock suitability	
Sowing rate	20kg/ha Dependant on mix, use lower rate with RGT Greenly II cocksfoot.
Heading date	+0 days
Endophyte options	AR1, LE

FANTASTIC FOUNDATIONS

RGT Moxie's semi-upright growth helps create a resilient and highly productive pasture by allowing legumes and other companion species to thrive amongst it. Increased legume content helps bolster animal performance as well as supporting pasture growth.

WINTER WARRIOR

RGT Moxie's high tiller density creates a load bearing sward, minimising the likelihood of muddy areas during winter grazing. Reduced pasture damage from pugging also accelerates recovery speed and potential yield of the pasture.

FIRST OUT THE GATE

RGT Moxie delivers early season production thanks to its heading date of 0 days. This can be particularly helpful in dry stock systems or dairy systems with a high proportion of later perennial ryegrass material.

Feed available	
Stock suitability	
Sowing rate	6-10kg/ha As main grass component of mix with compatible legumes such as subterranean clover or lucerne. 2-5kg/ha As secondary grass component of permanent pasture mix.

THE CULTIVAR THAT'S EVERYONE'S MATE

Cocksfoot is the ultimate pasture addition and should feature in all perennial ryegrass seed mixes to help build summer resilience and enhance pasture diversity.

WORLD-LEADING BREEDING

From our world-leading cocksfoot breeding programme, RGT Greenly II is a new generation bred for modern farming challenges like climate and pest pressures, and requirements such as high production and animal performance, without losing persistence.

GREENER PASTURES

Struggling with climate issues and pasture pests? Cocksfoot thrives where other pastures struggle, tolerating drought and insects once established. It grows in high temperatures and with a dense root structure is highly water-use efficient.

RGT NOUGA

TALL FESCUE

RGT Nouga has changed the tall fescue game. Our world-leading breeding programme has vastly improved leaf softness to create an easily digestible pasture your animals like to eat. RGT Nouga is an oceanic type tall fescue which means the spring growth is more manageable. It also tolerates climactic conditions and pests that perennial ryegrass can't.



SUPER SOFT

RAGT's world leading tall fescue programme has resulted in genetics that have changed tall fescue for the better. We've vastly improved leaf softness to create an easily digestible pasture, making the feed supply more manageable, resulting in improved performance.



ALLOWS HIGH LEGUME CONTENT

Use RGT Nouga when animal performance is a high priority as it is highly compatible with clover, allowing for significant legume content.



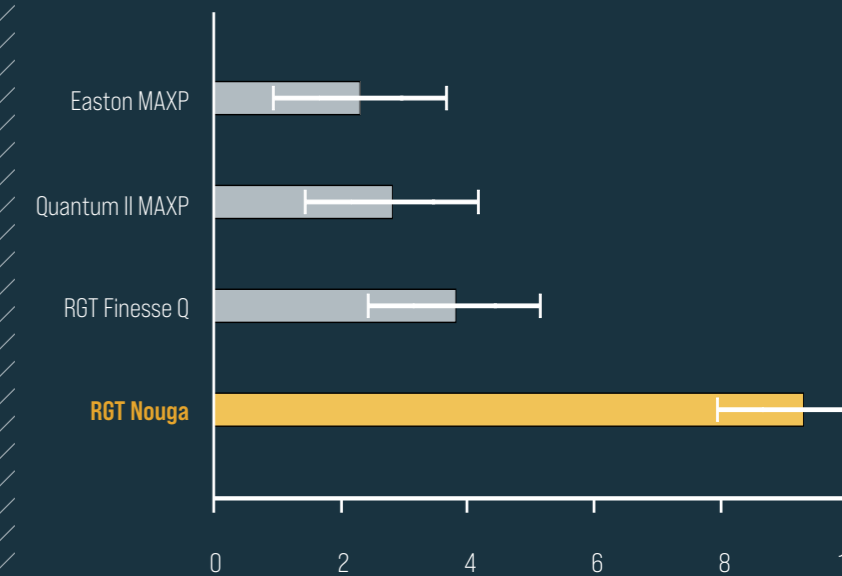
GROWS IN HIGH TEMPERATURES

Traditional perennial ryegrasses can struggle in warm climates, but RGT Nouga tall fescue tolerates heat and uses water efficiently to be highly productive even in challenging temperatures.

Feed available	
Stock suitability	
Sowing rate	20-30kg/ha Depending on companion species.



LEAF SOFTNESS SCORE



Leaf softness: 10 = Super soft 1 = Super coarse

LEGUMES

Clovers are key to New Zealand's high pasture production, thanks to their nitrogen-fixing ability. They provide essential nitrogen to companion grasses and contribute high-quality forage with excellent metabolisable energy (ME) and protein content. This boosts animal intake and overall pasture performance.

WHITE CLOVER

- > Its nitrogen-fixing ability, high quality, and relatively low sowing rate make white clover a key component of most perennial pasture mixes. White clover offers strong spring and summer growth, along with good production in cooler seasons.

RED CLOVER

- > Red clover is a perennial tap-rooted legume with high feed value. It performs well in summer and has excellent drought tolerance due to its tap root. Often included in permanent pasture mixes, it enhances sward quality and boosts summer production, though its growth is limited in winter.

SUBTERRANEAN CLOVER

- > Subterranean clover is widely used in dryland areas of New Zealand, valued for its unique growth and seed-setting characteristics. It provides early spring to summer production.

WHITE CLOVER

RGT Quest



- > Can deliver animal production benefits (whether that be milk or meat) of up to 50%!
- > Can fix up to 30 kg N/ha for every 1000 kg dry matter/ha grown.
- > Can tolerate the destructive clover root weevil, leading to increased persistence and pasture performance.

RGT Tobby



- > High production large leaf clover.
- > Reliable and suited to a range of systems.
- > Ideal companion for perennial grasses in dairy, and sheep and beef systems.
- > Very good frost tolerance.

Feed available	
Stock suitability	
Sowing rate	2-4kg/ha In grass seed pasture mix.

RED CLOVER

RGT Rossi



- > Use in perennial pasture mixes for added quality and additional nitrogen fixation.
- > Performs best under rotational grazing systems or utilise its quality for hay production.
- > RGT Rossi's tap root helps ensure strong yields from summer production.
- > Good disease tolerance (sclerotinia and mildew).

Feed available	
Stock suitability	
Sowing rate	3-5kg/ha In grass seed pasture mix.

SUBTERRANEAN CLOVER

RGT Rouse



RGT Rouse is a mid to late flowering variety of the waterlogging-tolerant 'white-seeded' yannicum subspecies of sub clover. It is suited to soils prone to waterlogging or higher annual rainfall and where the growing season extends to mid-late November. RGT Rouse is resistant to many clover diseases and moderate levels of hardseededness to help protect against seedling losses with false breaks.

Feed available	
Stock suitability	
Sowing rate	10kg/ha As the sole subterranean clover, half the rate if combining sub varieties.

RGT Narrikup



RGT Narrikup is a very vigorous mid-late season subterranean clover. It offers tolerance to Red Legged Earth Mite (RLEM) and is an ideal companion for RGT Rosabrook subterranean clover. Combining their two flowering dates (mid and late) helps ensure extended production.

RGT Rosabrook



RGT Rosabrook is an ideal replacement for any RLEM susceptible variety. Include RGT Rosabrook in any dryland pasture mix and it is an ideal companion for RGT Greenly II new generation cocksfoot. Combine with RGT Narrikup subterranean clover.

CREATING RESILIENT PASTURES

While every farm will be unique, there are a range of factors that contribute to pasture resilience and persistence. These should be considered when planning perennial repasturing to help ensure longevity, performance and animal productivity.

They include:

- > **GENETICS** are a key consideration when repasturing. Moisture deficits are common in many parts of New Zealand, making it essential to choose grass species that can tolerate these conditions for better persistence.
- > **THE ENVIRONMENT, SOIL MOISTURE CAPACITY, AND DEFICIT TIMING** are all crucial considerations when selecting species. Perennial species vary in both above-ground appearance and below-ground traits. Choose those that can access moisture at the required depth and incorporate them into the mix or adjust pastures to focus on specific dominant species.
- > **UNDERSTANDING GRAZING INTENSITY** will enable better selection of the right species and cultivar. Some species thrive under extensive grazing, while others benefit from more intense and structured grazing management.

Perennial ryegrass



Perennial ryegrass is an excellent starting point for creating a resilient and highly productive pasture mix.

It establishes quickly, whilst allowing slower-growing species to develop without the threat of weed competition.

Cultivars like RGT Hustle, with their upright growth habit, further enhance this benefit by creating space for legumes and herbs to thrive alongside the ryegrass

Cocksfoot



Cocksfoot is an excellent addition to a perennial pasture mix for several reasons. It thrives when perennial ryegrass may struggle, particularly in high temperatures, making it a reliable choice in challenging conditions.

Once established, it demonstrates tolerance to insect pests and boasts high water-use efficiency due to its dense and deep root structure.

Notably, cocksfoot is also the first main pasture grass to respond to moisture, ensuring a quicker recovery and sustained productivity.



Companion species

Legumes are a key component of New Zealand pastures. They aid pasture quality and animal performance, as well as reduce reliance on artificial nitrogen applications.



Options include white, red and subterranean clover, plus using lucerne as a grass sward legume component.

The inclusion of forage herbs will aid in pasture productivity and mineral availability for grazing animals. While weed control can be more difficult, this can be managed. The aim is to grow desirable species in spaces, not undesirable weeds.

ADAPTATION BY SPECIES

RAGT cultivar	Annual ryegrass RGT Sultan	Italian ryegrass RGT Indulgence	Prairie grass RGT Jeronimo	RGT18 perennial ryegrass RGT Hustle	AR1 perennial ryegrass RGT Hustle RGT Moxie	Cocksfoot RGT Greenly II	Tall fescue RGT Nouga
Persistence	<1 year	2/3 years	2/3 years (with no re-seeding)	5 years and more	5 years and more	5 years and more	5 years and more
Reliable summer moisture	✓	✓	✓	✓	✓	✓	✓
Low summer moisture	✓	-	✓	✓	-	✓	✓
Speed of establishment							
Argentine stem weevil tolerance	-	-	-	✓	✓	✓	✓
Black beetle tolerance	-	-	-	✓	✓	✓	✓
Porina tolerance	-	-	-	✓	-	✓	✓
Grass grub tolerance	-	-	✓	-	-	✓	✓
Sheep grazing	✓	✓	✓	✓	✓	✓	✓
Cattle grazing	✓	✓	✓	✓	✓	✓	✓
Deer grazing	✓	✓	✓	-	✓	✓	✓



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The technical data mentioned in this document comes from tests carried out by RAGT. The results obtained may vary according to agronomic and climatic conditions, as well as specific cultivation techniques. In any event, the technical data provided is for information purposes only and does not bind RAGT contractually.