

“The adaptable ryegrass”

- Available with **AR37** and **AR1** novel endophytes
- Prospect has been bred from a diverse range of genetic perennial material
- Strong all-year-round performance
- A dense, fine-leaved diploid cultivar with high total production

PLOIDY	SUGGESTED SOWING RATE (kg/ha)	HEADING DATE	ENDOPHYTE	RUST TOLERANCE
Diploid	18-20	Late (+12)	AR37 & AR1	Good

Background

Grasslands **Prospect** is a diploid ryegrass that has been bred from a combination of late heading north-west Spanish perennial ryegrasses and traditional mid heading perennial ryegrasses. **Prospect** is a densely tillered cultivar, however its leaves are long making **Prospect** a tall and visual cultivar.

Prospect has an excellent all-year-round growth curve and impressive total yield potential. **Prospect's** tiller density provides a lot of robustness, making it well suited to a variety of situations from hill country development, sheep and beef farms and high performance dairy systems.

Key Tips

- Ideally hard graze in November (regardless of seed head presence) to maximise summer quality
- Consider including **Relish** red clover to increase clover content, as **Relish** is more competitive and productive over time
- **Prospect's** heading date of +12 helps delivers a spring growth peak between **Samson** (+3 days) and **ONE⁵⁰** (+20 days)

Suggested Mixes

DAIRY PASTURE EXAMPLE MIX

	RATE (kg/ha)
Prospect AR37 or AR1 perennial ryegrass*	20
Mainstay white clover	3
Tribute white clover	2
TOTAL	25

SHEEP & BEEF PASTURE EXAMPLE MIX

	RATE (kg/ha)
Prospect AR37 or AR1 perennial ryegrass*	18
Tribute white clover	3
Nomad white clover	2
Relish red clover	4
Tonic plantain	2
TOTAL	29

* It is not advisable to mix AR37 and AR1 varieties. AR1 is not recommended for areas where black beetle, porina or root aphid are common problem pests. Grass seed should be Superstrike® treated where Argentine stem weevil, black beetle or grass grub are a risk to seedlings. For more information on AR37 endophyte, visit ar37.co.nz.

For information on **Prospect's** performance in the Forage Value Index from DairyNZ see www.dairynz.co.nz/fvi.

* Prospect has been bred, selected and successfully tested as a perennial and will function as a perennial ryegrass. Due to a small number of tip awns Prospect is certified as *Lolium boucheanum*.

Production Data

Agricom values individual trials that are undertaken New Zealand wide and the data they provide. For us, while the results may have statistical limitations, they deliver invaluable information on the basis of the specific locations and conditions in which they are undertaken, especially from the experiences and anecdotal feedback received.

Multiple trial summaries offer a level of confidence that a result will be repeated. It is important to be aware that the number of trials a cultivar is summarised in relates to the confidence you can have that the data summary will not change with the addition of extra trials. Cultivars summarised from a least 8-10 trials are less likely to change than ones summarised from 3-4 trials.

Prospect sits in the top statistical group for total yield in the 'NFVT Perennial Ryegrass All New Zealand Trial Summary 1991-2016'.

Prospect's seasonal strengths are winter, late spring and summer while being solid in the other seasons.

Table 1: NFVT Summary 1991 – 2016 (August 2016) Perennial Ryegrass: All New Zealand trials (yields by season as percentage of mean)

ENTRY	NUMBER OF TRIALS	WINTER		EARLY SPRING		LATE SPRING		SUMMER		AUTUMN		TOTAL	
		% of Mean	LSI	% of Mean	LSI	% of Mean	LSI	% of Mean	LSI	% of Mean	LSI	% of Mean	LSI
Trojan NEA2	14	116	3.3	108	2.9	106	2.6	110	3.0	106	3.5	108	2.4
Base AR37	9	113	4.0	103	3.4	104	3.2	109	3.6	112	4.1	108	2.9
One50 AR37	22	112	2.7	98	2.3	101	2.1	111	2.5	114	2.8	107	1.9
Excess AR37	4	114	5.8	101	5.0	103	4.6	109	5.3	108	6.0	106	4.2
Arrow AR1	13	108	3.4	108	2.9	105	2.7	105	3.1	105	3.5	106	2.4
Alto AR37	16	110	3.1	104	2.7	103	2.5	106	2.8	108	3.2	106	2.2
Request AR37	8	105	4.2	112	3.6	101	3.4	103	3.9	110	4.4	105	3.0
Prospect AR37	10	112	3.8	101	3.3	101	3.0	108	3.5	107	4.0	105	2.7
Ansa AR1	4	112	5.8	107	5.0	103	4.7	103	5.4	102	6.1	104	4.2
Ultra AR1	16	110	3.0	101	2.6	101	2.4	105	2.8	106	3.2	104	2.2
Matrix SE	11	107	3.6	104	3.1	101	2.8	102	3.3	105	3.7	103	2.6
One50 AR1	19	109	2.8	96	2.4	99	2.2	106	2.6	104	2.9	103	2.0
Alto AR1	27	105	2.4	102	2.1	103	2.0	103	2.2	102	2.5	103	1.8
Bealey NEA2	26	109	2.5	98	2.2	100	2.0	104	2.3	104	2.6	102	1.8
Halo AR37	18	106	2.9	94	2.5	99	2.3	106	2.7	107	3.0	102	2.1
Expo AR1	10	106	3.7	103	3.2	101	3.0	102	3.4	100	3.9	102	2.7
Rely AR37	4	94	5.8	102	5.0	101	4.6	98	5.3	111	6.0	102	4.2
Expo AR37	4	104	5.8	98	5.0	100	4.6	101	5.3	103	6.0	101	4.2
Base AR1	3	106	6.7	102	5.8	103	5.4	99	6.2	97	7.0	101	4.8
AberMagic AR1	4	81	5.7	95	4.9	104	4.6	106	5.3	99	6.0	101	4.1
Excess AR1	3	98	6.7	105	5.8	99	5.4	103	6.2	96	7.0	100	4.8
Samson AR37	6	100	4.7	103	4.1	99	3.8	94	4.3	102	4.9	99	3.4
Ohau AR37	4	99	5.8	104	5.0	99	4.6	96	5.3	94	6.0	98	4.2
Rohan NEA2	5	100	5.2	92	4.5	96	4.2	95	4.8	101	5.4	97	3.8
Bronte AR1	4	103	5.8	97	5.0	98	4.7	97	5.4	91	6.1	97	4.2
Samson SE	17	95	3.2	100	2.7	96	2.5	93	2.9	96	3.3	96	2.3
Stellar AR1	8	80	4.2	101	3.6	96	3.3	94	3.8	90	4.3	94	3.0
Nui SE	27	91	2.4	100	2.1	95	1.9	89	2.2	91	2.5	93	1.7
Pacific SE	6	90	5.1	100	4.4	96	4.1	88	4.7	91	5.4	93	3.7
AberGreen WE	3	59	6.7	85	5.8	100	5.4	90	6.2	79	7.0	87	4.8
AberMagic WE	6	58	4.9	82	4.2	99	3.9	85	4.4	82	5.0	85	3.5
Uncertified LP	6	85	4.8	94	4.1	89	3.8	79	4.4	74	5.0	84	3.4
Mean (kg DM/ha)	81	1091		2053		3565		3922		2742		13372	

LSI (Least Significant Interval) - If two means differ by more than the sum of their LSI, they are significantly different at the 5% level

* Prospect has been bred, selected and successfully tested as a perennial and will function as a perennial ryegrass. Due to a small number of tip awns Prospect is certified as *Lolium boucheanum*.