

- Soft leaves in an early heading tall fescue
- High total production with improved autumn and winter growth
- High crown rust tolerance
- Tolerant to a range of insects

Characteristics

Ploidy	Perenniality	Heading Date	Endophyte	Rust Tolerance
Hexaploid	Perennial	Very Early (-18*)	MaxP	Excellent

* Nui heading date at 0 days is the 22nd October

Haven is a deep-rooted grass with a large coarse fibrous root mass that can often be found well beyond the rooting depth of perennial ryegrass. This root structure and the strong crowning habit of **Haven** helps it to be naturally tolerant to grass grub while the presence of **MaxP[®]** endophyte extends its insect tolerance markedly. For increased tolerance to grass grub mixing **Haven MaxP[®]** with **Oakdon MaxR** meadow fescue is a great way to make more resilient "fescue" pastures.

Haven is ideal for all existing tall fescue users and for any farm looking to improve early spring production with a deep rooted perennial grass species and excellent tolerance to hotter and more humid climatic conditions.



Haven tall fescue, **Oakdon** meadow fescue, Brace white clover & Relish red clover mix.

Genetic Background

Haven is a soft-leaved and fine-tillered early heading cultivar with seed head emergence starting in early October. **Haven** is the 5th generation of tall fescue from Agricom. **Haven** has continued the breeding objective of bringing quality traits to an early heading fescue, delivering early feed to farm systems when they need it most. **Haven** has also been selected for improved cool season activity in autumn and winter over the previous generation.

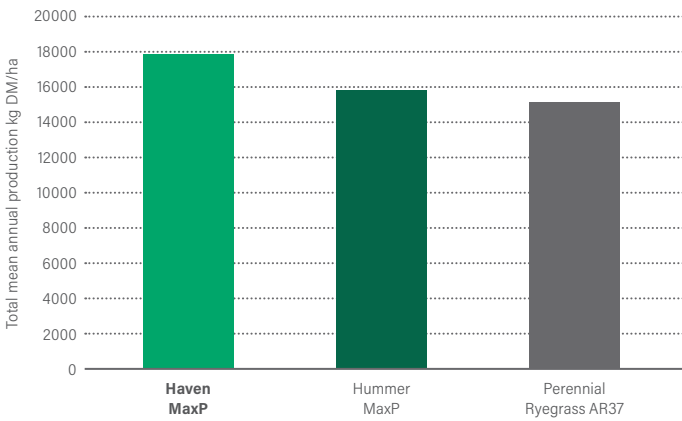
Haven is one of the highest producing tall fescues Agricom has tested, while maintaining its high early spring growth similar to the previous generation material. **Haven** has captured more summer, autumn, and winter growth leading to an impressive annual yield potential for a **Haven** pasture.

Haven's final crossing parents were all screened for quality with only some of the highest testing (MJME) plants making it into the final selections from the elite plants. **Haven** is also defined as a new fescue with excellent rust tolerance and a healthy dark green growth habit.

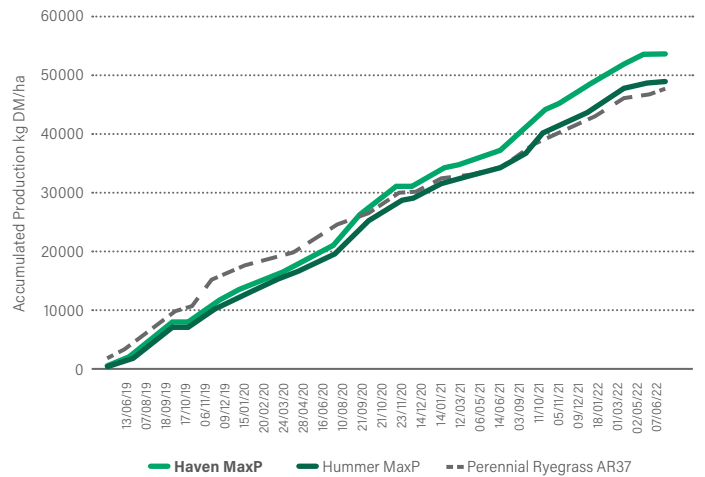
Production

Haven has high annual production and consistent production over time, while perennial ryegrass has more yield potential in the first establishment year. **Haven's** production over time and ability to convert cool early spring conditions to high growth potential sets it apart from perennial ryegrass. **Haven** is a genuine improvement in late spring, summer, autumn, and winter growth over Hummer tall fescue highlighting what an advancement Agricom's 5th generation tall fescue is on the previous generation.

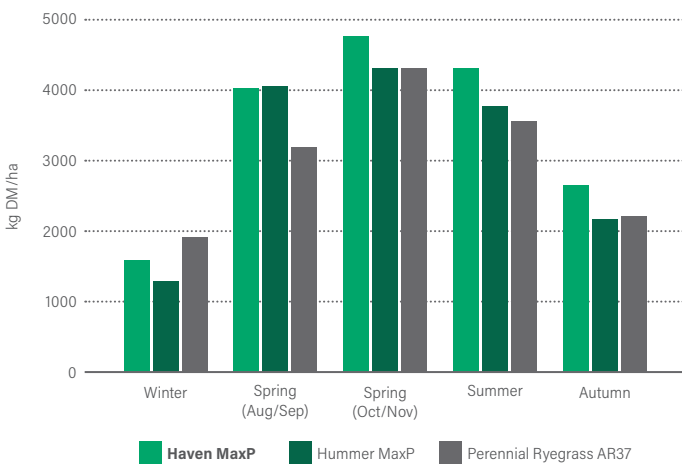
Three year mean annual production of Haven MaxP tall fescue vs Hummer MaxP tall fescue and perennial ryegrass with AR37 at Lincoln, Canterbury



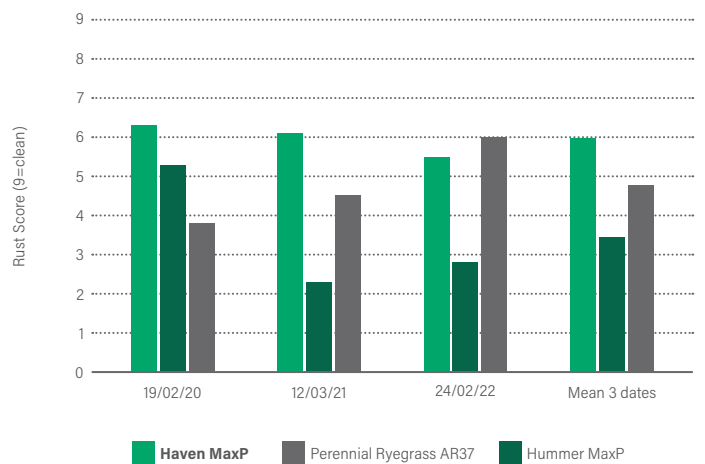
Accumulated and total production of Haven MaxP tall fescue vs Hummer MaxP tall fescue and perennial ryegrass with AR37 over three years at Lincoln, Canterbury



Three year mean seasonal production of Haven MaxP tall fescue vs Hummer MaxP tall fescue and perennial ryegrass with AR37 at Lincoln, Canterbury



Crown rust tolerance of Haven MaxP tall Fescue (9=completely clean 1=extremely rusty)



Example Mixes Include:

DAIRY PASTURE MIX

Haven's early spring production is ideal for producing second grazing round pasture cover and maintains pasture production in hot and humid summer conditions. **Haven** has a high water use efficiency at high temperatures which makes it ideal for irrigated dairy pastures in hot environments.

Haven MaxP [®] tall fescue	25 kg/ha
Brace white clover	3 kg/ha
Attribute white clover	2 kg/ha
Total	30 kg/ha

"FESCUE" PASTURE MIX

The ideal mix for a first time fescue user who is concerned about tall fescue management is mixing the productive tall fescue **Haven** with the highly palatable **Oakdon** meadow fescue. Meadow fescue greatly improves the grazing management of the mixed pasture over tall fescue as the sole grass. The mix provides the two endophytes, MaxP[®] and MaxR[®], adding a multi-endophyte strategy to insect control on top of the already impressive tolerance of tall fescue to many insects.

Haven MaxP [®] tall fescue	12 kg/ha
Oakdon MaxR [®] meadow fescue	12 kg/ha
Attribute white clover	5 kg/ha
Relish red clover	4 kg/ha
Total	33 kg/ha

SHEEP AND BEEF MIX

Haven is ideal for set stocking ewes in late winter/early spring lambing systems and is also perfectly suited to beef finishing. **Haven** provides high pasture growth rates at the start of spring when cattle have finished winter feed crops and looking for high-yield pasture options to finish spring cattle quickly. **Haven's** improved summer and autumn growth fits sheep and beef systems well.

Haven MaxP [®] tall fescue	25 kg/ha
Attribute white clover	3 kg/ha
Relish red clover	4 kg/ha
Total	32 kg/ha