

“Production and persistence in short term pasture”

- The first diploid Italian ryegrass available with **AR37** novel endophyte (also available without endophyte)
- Excellent second year production potential
- Low aftermath seed head for a true Italian
- **Asset AR37** has excellent establishment and winter growth

| PLOIDY | SUGGESTED SOWING RATE (kg/ha) | HEADING DATE | ENDOPHYTE | RUST TOLERANCE |
|---------|--|--------------|-------------|----------------|
| Diploid | Asset AR37 20-25 Asset AR37 (undersowing) 12-15 | Late (+14) | AR37 | Very high |

Background

Asset is a densely tillered diploid Italian ryegrass. It was bred from plants surviving their first summer and performing strongly through the second winter. As a result of these attributes **Asset** is the perfect choice if a persistent Italian ryegrass is required. **Asset** has a high tiller density to encourage persistence, even under occasional heavy winter grazing. **Asset** has excellent summer quality for its type, coupled with very high annual production for a diploid Italian ryegrass.

Due to its high level of persistence **Asset** was chosen as the first Italian ryegrass to be inoculated with the **AR37** endophyte. This improves the persistency of **Asset AR37** by providing improved insect protection. This effectively stacked two traits; the natural robustness and persistence of **Asset** (the plant) and the insect protection of the **AR37** the endophyte.

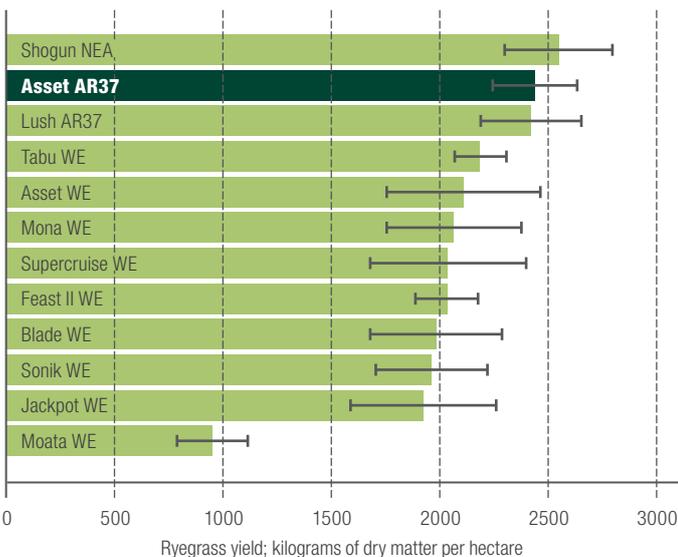
It should be noted that as an Italian **Asset AR37** may cause ryegrass staggers.

For more information specific to **Asset AR37** visit agricom.co.nz

Production Data

The demonstration of **Asset AR37** persistence can be seen in its performance in the second autumn of the NFVT national summary (Figure 1) where it is a highly competitive diploid Italian.

Figure 1. All New Zealand Trials Italian Ryegrass 2nd Autumn Yield 1991-2016.

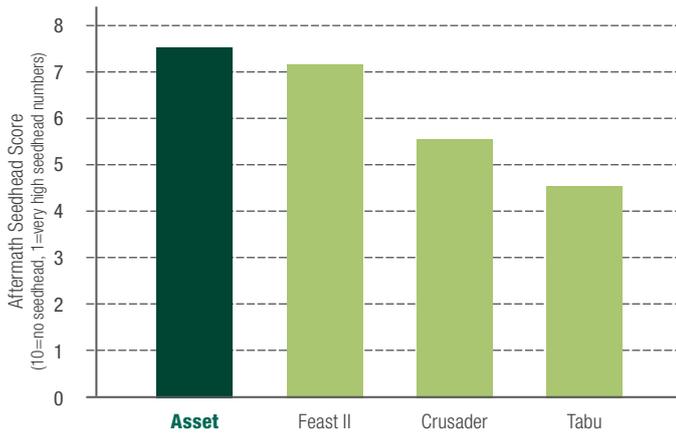


For the complete NFVT results for any trials printed on this Agrinote go to www.nzpbra.org or for the DairyNZ FVI see www.dairynz.co.nz/fvi.

Additional Data

If an Italian ryegrass is to have strong persistence it is highly desirable that they do not produce excessive seed head during summer. **Asset** was successfully selected for reduced aftermath heading, and when on a regular summer rotation **Asset** forms a high quality pasture that is very impressive for an Italian ryegrass.

Figure 2. Aftermath Seedhead Score of Lincoln Ryegrass Trial (Sown 2009) (mean of 3 scores; 02/02/2010, 21/03/2010, 15/02/2011).



Crusader Italian ryegrass (left) severely damaged by Argentine stem weevil with Asset AR37 (right) showing excellent survival.



Key Tips

- Regular grazing through summer on a maximum 30 day round will maintain a quality pasture, making it suitable for all high performance stock and irrigation systems
- **Asset AR37** and **Relish** red clover is one of the most valuable combinations and will fit with most finishing and silaging systems
- **Asset AR37** is not suitable for deer systems due to potential ryegrass staggers. In this case **Asset WE** (without endophyte) and **Relish** red clover is the ideal option

Suggested Mixes

ASSET/RELISH EXAMPLE MIX

| | RATE (kg/ha) |
|-------------------|--------------|
| Asset AR37 | 10-14 |
| Relish red clover | 8 |
| TOTAL | 18-22 |

DAIRY PASTURE – UNDERSOWING EXAMPLE MIX

| | RATE (kg/ha) |
|-------------------|--------------|
| Asset AR37 | 12-15 |
| Tonic plantain | 3-4 |
| TOTAL | 15-19 |

SHEEP & BEEF PASTURE EXAMPLE MIX

| | RATE (kg/ha) |
|----------------------|--------------|
| Asset AR37 | 20-25 |
| Tribute white clover | 3 |
| Relish red clover | 4 |
| TOTAL | 27-32 |

INTENSIVE LAMB AND DEER FINISHING EXAMPLE MIX

| | RATE (kg/ha) |
|----------------------|--------------|
| Asset WE | 10 |
| Relish red clover | 10 |
| Tribute White Clover | 2 |
| TOTAL | 22 |

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