

ASTONENERGY

Lolium perenne

Profile

ASTONENERGY is an excellent grass variety for grazing mixtures, its yield and qualities coupled with superb disease resistance make it a must for all medium and long term grazing mixtures. Its aftermath D-value and good conservation yields mean it is also very suitable for dual purpose mixtures and will combine well with diploid ryegrasses and Hybrid ryegrasses. Its excellent crown rust resistance also makes it ideal for southern England.

[Read more about the benefits of AstonEnergy! \(PDF\)](#)

National listing/Official recommendation:

FR, AR, BY, CL, CO, UK, IE, UY

- ✓ exceptional forage quality and thus Milk Index variety
- ✓ high sugar content
- ✓ very palatable forage
- ✓ high digestibility of the cell wall



Suitability

Ploidy

tetraploid

Mature

inter

Grazing: management		Mean of G varieties	Inter Tetraploid Mean (G and S)
Grazing yield (% of 9.23 t DM/ha)	98	100	101
Grazing D-value	77.6	76.4	76.7
ME yield (% of 113 000 mj/ha)	99	100	101

Conservation: management

Total yield year 1 (% of 16.18 t DM/ha)	99
1st and 2nd cut ME yield, first harvest year (% of 124 000 mj/ha)	102
Total yield year 3 (% of 12.56 t DM/ha)	96
Total yield: Mean (% of 14.36 t DM/ha)	97

Agronomic characters

Ground Cover% (2nd harvest year)	64
Ground Cover% (3rd harvest year)	57
Autumn Ground Cover (1-9, 1=poor 9=good)	5.4
Winter Hardiness (1-9, 1=poor 9=good)	7.1

Grazing: seasonal growth

Early grazing yield (% of 1.30 t DM/ha)	90
Spring (% of 2.27 t DM/ha)	98
Early Summer (% of 3.47 t DM/ha)	100
Late Summer (% of 2.29 t DM/ha)	94
Autumn (% of 1.35 t DM/ha)	97

Conservation: seasonal growth - Year 1

1st cut (% of 7.10 t DM/ha)	96
1st cut D-value	74.7
2nd cut (% of 3.50 t DM/ha)	100
3rd cut D-value	74.8
3rd cut (% of 2.59 t DM/ha)	101
4th+ cut (% of 2.88 t DM/ha)	95

Disease resistance

Crown rust (1-9, 1=poor 9=good)	6.6
Drechslera (1-9, 1=poor 9=good)	6.8
Mildew (1-9, 1=poor 9=good)	5.9

Source: AHDB Italian Ryegrass Diploid Varieties Recommended List 2023/2024

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