



ARELIO

Lolium perenne

Profile

ARELIO is the first diploid variety suitable for moorland to be entered in the Federal Plant Variety Registry for many years. ARELIO is a mid-early perennial ryegrass. The overall high yield is generated in particular by the subsequent cuts (BSA grade 6), thereby making the variety very suitable for grazing. ARELIO has a remarkable low inflorescence formation in the regrowth (BSA grade 3), which is rated positively when digestibility as a quality characteristic is considered. The first test results from the Netherlands confirm the excellent performance of ARELIO, particularly regarding the yield characteristics when used for pasture and cutting, as well as its good winter hardiness.

National listing/Official recommendation:

DE, EC, NL, RU, UA, UK

Sowing rate: 40 kg/ha

- ✓ one of the few diploid varieties with peat soil suitability
- ✓ very high yields
- ✓ low inflorescence formation in aftermath



Suitability

Ploidy	diploid
Maturity	inter
Peat-soil suitability	✓

Yield characteristics

Dry matter yield total	<div><div></div><div></div><div></div><div></div><div></div><div>6</div><div></div><div></div><div></div></div>	medium to high
Dry matter yield - 1st cut	<div><div></div><div></div><div></div><div></div><div></div><div>6</div><div></div><div></div><div></div></div>	medium to high
Dry matter yield - further cuts	<div><div></div><div></div><div></div><div></div><div></div><div>6</div><div></div><div></div><div></div></div>	medium to high

Plant stand development

Early growth development	<div><div></div><div></div><div></div><div></div><div>5</div><div></div><div></div><div></div><div></div></div>	medium
Susceptibility to winter damage	<div><div></div><div></div><div></div><div></div><div>5</div><div></div><div></div><div></div><div></div></div>	medium
Tendency to lodging	<div><div></div><div></div><div></div><div></div><div>5</div><div></div><div></div><div></div><div></div></div>	medium
Persistence	<div><div></div><div></div><div></div><div></div><div></div><div>6</div><div></div><div></div><div></div></div>	medium to high
Sward density	<div><div></div><div></div><div></div><div></div><div>5</div><div></div><div></div><div></div><div></div></div>	medium

Healthiness

Susceptibility to rust	<div><div></div><div></div><div></div><div></div><div>5</div><div></div><div></div><div></div><div></div></div>	medium
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Quality

Inflorescence formation in aftermath	<div><div></div><div></div><div>3</div><div></div><div></div><div></div><div></div><div></div><div></div></div>	low
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Classification according to the descriptive variety list - Bundessortenamt (federal plant variety office, Germany) 2024 and our own results.

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