

YELLOW JACKET

FACTSHEET

KEY FEATURES

IMPROVED GERMINATION
AND ESTABLISHMENT IN
DRIER ENVIRONMENTS



Yellow Jacket Water Manager is a patented Seed Enhancement Technology product developed by surfactant wetting agent market-leading company Aquatrols.

Independent scientific trials from around the globe, including STRI, prove the product improves germination and establishment of red fescue grass seed in hydrophobic and wettable soil in conditions of low-water availability.

50% of product weight is seed; other 50% is surfactant and carrier material.

The product works by improving water management enabling higher survival rates of seeds and seedlings, which more than compensate for a reduction in seed number when identical seeding rates by weight are employed.

In other words, the same VOLUME of seed/product produces better results!

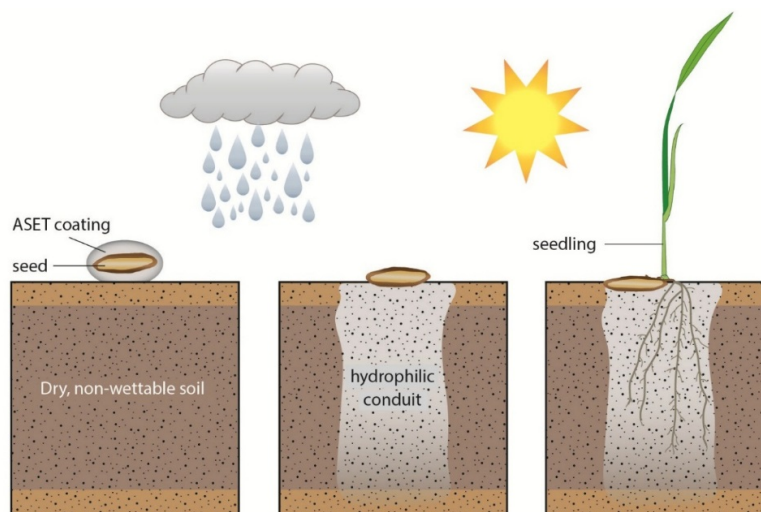


Figure 1: Yellow Jacket Seed Enhancement Technology

AREAS OF USE

Divoting!
Newly sown areas on sand-based rootzone
Overseeding fairways
Overseeding greens



YELLOW JACKET

FACTSHEET

What do seeds need for germination?

- Water
- Oxygen
- Suitable temperature
- Light/dark (some species)

The product does not contain other substances claiming to enhance germination or establishment- i.e. it is unlike other "seed coatings" on the market.

Seeds have all the nutrients they need for germination and early establishment; the only way to speed up germination is to influence one of the factors above – in the case of Yellow Jacket, the availability of water.



Trial Data

A trial was set up in 2014 with STRI, Bingley, UK.

Chewings red fescue (*Festuca rubra commutata*) seeds, untreated and treated with Yellow Jacket, were placed in pots containing wettable soil in a glasshouse, irrigated under 1 of 3 regimes:

- Normal irrigation
- Deficit irrigation,
- Severe deficit irrigation

50% fewer seeds sown in the Yellow Jacket treatment (same weight/sowing rate)

Germination and establishment assessments were made over a 14 day period using a subjective visual assessment of percent grass cover based on a 1-10 scale (where 10 is best).

Results (**Figure 2**) showed improved germination and establishment across all irrigation regimes, with very significant improvements under deficit and severe deficit irrigation.

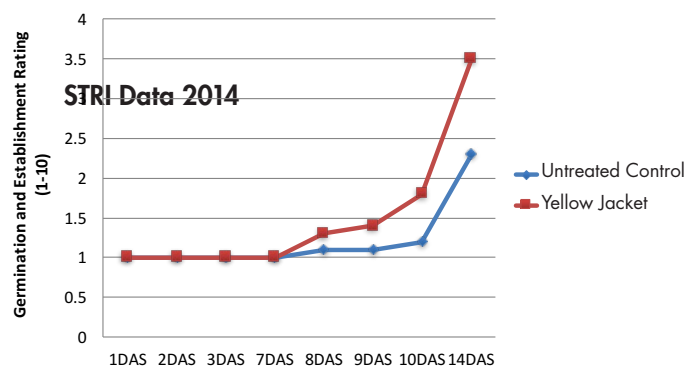


Figure 2: Chewings fescue Yellow Jacket seed average of all irrigation regimes

Field Trials

Worldwide Studies



YELLOW JACKET

FACTSHEET

New green seeding, in The Netherlands. The photo below was taken after 10 days, with the first germination seen after 6 days.
(Control : Yellow Jacket)



Overseeding dry patches.

After two weeks, with no rainfall for one month. (Without : With Yellow Jacket)



YELLOW JACKET

FACTSHEET

2017 Availability

Yellow Jacket Water Manager will be available in two mixtures in 2017.

The first a blend of slender creeping red fescue : Chewings fescue (BAR FESCUE).

The second a blend of slender creeping red fescue : Chewings fescue : strong creeping red fescue (BAR FAIRWAY).

Contact one of the Barenbrug Technical Team for more information.

BARENBRUG TECHNICAL TEAM

David Greenshields
Amenity Business Manager

m: 07799 430784
e: dgreenshields@barenbrug.co.uk

REGION:
Scotland.

Matt Williams
Key Accounts Manager

m: 07825 394438
e: mwilliams@barenbrug.co.uk

REGION:
North West &
North Wales.

Phil Dick
Research and Technical Sales Manager

m: 07887 503796
e: pdick@barenbrug.co.uk

REGION:
North England &
Ireland.

Sam Horner
Technical Sales Manager

m: 07801 760054
e: shorner@barenbrug.co.uk

REGION:
South West &
South Wales.

Luke Hunt
Technical Sales Manager

m: 07909 786916
e: lhunt@barenbrug.co.uk

REGION:
East &
South East.

AREAS OF USE

Divotting!
Newly sown areas on sand-based rootzone
Overseeding fairways
Overseeding greens

