

LIMITING DOWNY MILDEW IN ONION; MORE YIELD WITH SQUALL



Rheinland-Pfalz
DIENSTLEISTUNGSZENTRUM
LÄNDLICHER RAUM

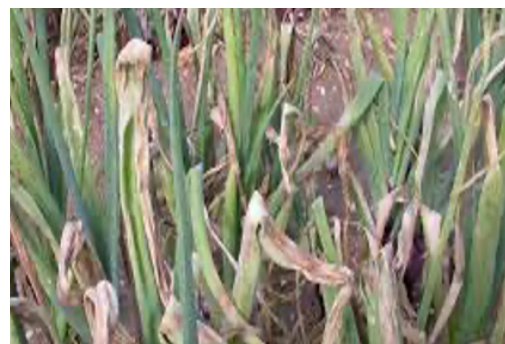
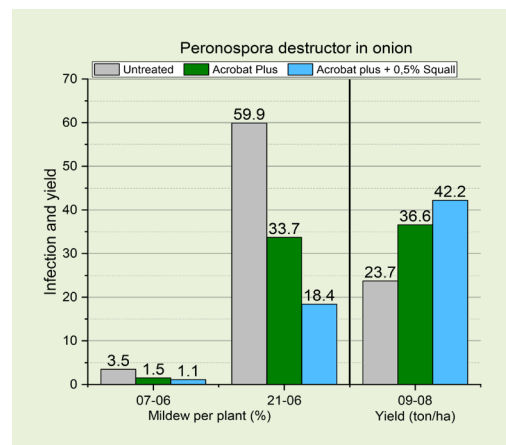
Doctor Nibert Laun led the research at the test station "Lehr- und Versuchsbetrieb Gemüsebau (DLR) in Queckerbrunnerhof Germany

The addition of Squall, a biodegradable sticker and anti-drift adjuvant, has demonstrated that a higher yield can be achieved in onion cultivation with the addition of Squall. No less than 5 tons of onions were harvested more, because the downy mildew remained better under control.

Downy mildew (*Peronospora destructor*) can lead to substantial harvest losses in case of an early attack and insufficient control. The fungus spreads through the air with favourable weather conditions and expands explosively. Downy mildew is formed at high temperatures in combination with wet leaf periods of 2 to 4 hours, for example due to dew or watering.

Lehr- und Versuchsbetrieb Gemüsebau (DLR) in Germany tested the infection of onions with downy mildew and the yield when 0,5% Squall was added to 2.0 liter per hectare Acrobat Plus (Dimethomorph, Mancozeb).

The efficiency of Acrobat Plus has been improved by adding Squall. As a result of the addition, 25% fewer plants were affected and mildew fell from 33.7% to 18.4% average infection per plant. Addition of Squall gave 5.6 tons per hectare more yield than Acrobat Plus solo.



downy mildew in onions

Harvest sizes	<40mm	40-60mm
Control	17,7	6,0
Acrobat Plus	22,7	13,9
Acrobat Plus + Squall	19,5	22,7

Onions are difficult to cover due to the vertical position of the crop and the thick layer of wax. This makes it easy for drops to bounce off the crop. Squall sticks the drops to the onion stalk, applying more substance behind and provides better crop protection.

Other studies with Squall show comparable results in fungal control, including in apple, tulips and sugar beets. The full report can be downloaded at www.squall.pro



The unique **complete adjuvant Squall** provides:
Less drift, a better sticking, more spreading and is rainfast.

GreenA B.V. | Amsterdam Science Park 406, 1098 XH Amsterdam
E. info@greena.nl

Squall

www.squall.pro