Soil moisture retention granules

Key findings

- Soil moisture retention granules did not influence wheat grain yield or quality at Hart in 2010.

Why do the trial?

To investigate the performance of soil moisture retention granules on wheat grain yield.

How was it done?

Plot size	1.4m x 10m	**Fertiliser**	32:10 (DAP/Urea) @ 80 kg/ha
Seeding date	13th May 2010	**Variety**	Scout @ 70 kg/ha

The trial was a randomised complete block design with 3 replicates and 4 treatments.

Aquaboost soil moisture retention granules (AG100) were applied with the seed at 2, 4 or 10 kg/ha.

Edge rows were removed prior to harvest.

Plots were assessed for grain yield, protein and screenings with a 2.0 mm screen.

Results

Grain yield in this trial ranged from 4.29 t/ha to 4.50 t/ha. The use of soil water retention granules did not significantly affect the yield, protein or screenings of Scout wheat (Table 1).

Table 1: Grain yield (t/ha), protein (%) and screenings (%) results for soil moisture retention granules at Hart in 2010.

Treatment	Grain yield (t/ha)	% of untreated	Grain protein (%)	Screenings (%)
Untreated	4.29	100	8.9	1.3
Granules 2 kg/ha	4.50	105	8.8	1.2
Granules 4 kg/ha	4.24	99	8.9	1.2
Granules 10 kg/ha	4.25	99	8.9	1.3
LSD (0.05)	ns	ns	ns	ns