

## Field Test for 50° - 10° twin caps running 2 x 025 Lilac Wide Range fan jets

First test:

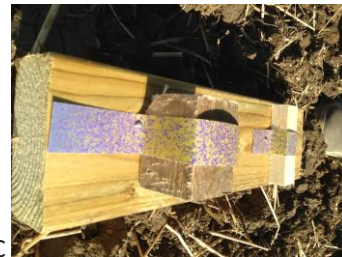
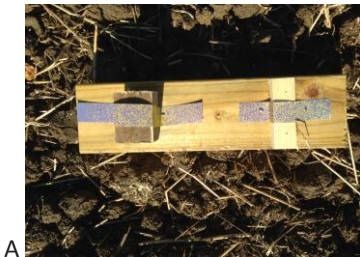
2" Square block & 1" Square block. Nozzles facing forwards with the 50° nozzle. 1.5 bar 8.5 kmh 200l/ha.

TEST 1: Before



A little out of focus, but you get the idea. Clear water sensitive paper.

TEST A: Result ( Direction of travel Right to Left)



As you can see, there is very little coverage on the back of the blocks in fig.B, however there is good coverage over the rest of the paper. This was to what we theorised would happen.

We decided to turn the nozzles around so the 50° nozzle was facing backwards. Sprayed again at 3 bar 12kmh 200l/ha.

TEST 2: Result



As you will note there was a significant difference in performance and coverage on the back side of the Block (fig 2B)

As you would obviously concede, a clod such as the blocks in our test would be very unlikely. So we decided to carry out more “real life tests” and put the water sensitive paper around some real clods.

#### LARGE CLOD TEST:



Again, just to show a clear test paper.

#### LARGE CLOD TEST: Result

Direction of travel (Right – Left)



This was a large clod with the paper secured with an elastic band around the whole clod to make sure the paper was held in place.

As you will be able to see there is full coverage both front and back of the clod , right in to the corner at the base.

We then did the same test with smaller clods.

SMALL CLOD TEST:



Pre test paper set up.

SMALL CLOD TEST: Result

(Direction of travel Left – Right)

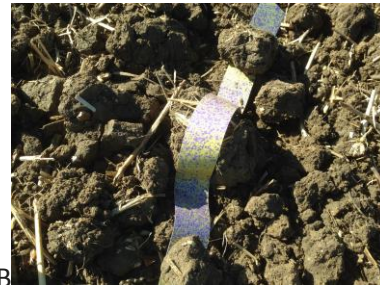


Image C shows the back of the clod from direction of travel and you can see that there is even good coverage underneath the clods overhang.

CONCLUSION.

Using the 50°- 10° Twin cap, with the 50° nozzle trailing. You may be able to maximise your coverage when spraying Pre Em.