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## Kev's Tech Tips

### Getting the most out of your WeedSeeker

#### Spray Pressure

Your WeedSeeker system should be operated with a constant spray pressure. Please ensure you operate your controller in manual mode and not at an automatic litres per hectare rate.

It is essential that you operate your WeedSeeker with a spray pressure of between 2.5 and 3bar. This is important due to the operational limitations of the goyen solenoid. If the spray pressure rises above 3bar, the speed of operation of the solenoid may slow. This may cause your WeedSeeker to miss the target weeds.

As a reminder, operating the WeedSeeker at 3bar at 16km/hr with the standard 6503E nozzle, will deliver a water rate of 100L/hectare. If you require a higher water rate, this can be achieved by increasing your orifice size or reducing your speed, not increasing your spray pressure.

If maintaining a constant spray pressure is a problem, this is more apparent with diaphragm pumps. There are solutions available. For example, a Ramsay Valve and/or installing a better quality pressure relief valve system.

#### Operating Speed

For agricultural applications, we recommend that your WeedSeeker system be operated at a speed of between 16-18km/hr. Although faster operation is possible, this has proven to be the ideal speed. Please remember that when you increase your speed two issues may arise:

1. The WeedSeeker will become less sensitive and may miss smaller weeds.
2. The timing of the solenoid firing may mean the chemical misses the target weed.

In a standard installation, there are 3 speed settings on your Controller:

1. 'LO' = 5-10km/hr
2. 'MED' = 10-15km/hr
3. 'HI' = 15-20km/hr

Therefore, at our recommended speed of 16-18km/hr your WeedSeeker system speed should be set to 'HI'.

