

## Ryegrass control using Trifluralin + Metolachlor.

In 2002 4Farmers conducted a paddock evaluation of Trifluralin plus Metolachlor for control of ryegrass at Dowerin. The site was a sandy duplex soil with a high density of difficult to control ryegrass. The farmer's basal treatment of 25 g/ha Triasulfuron + 5 g/ha Chlorsulfuron was virtually ineffective, with over 500 ryegrass plants/m<sup>2</sup>.

This was too much to allow to set seed, so the paddock was cut for hay. Consequently there are no yield results from the trial. You will have to rely on ryegrass numbers for a measure of efficacy.

The wheat was Spear, sown @ 60 kg/ha on May 14<sup>th</sup>, with 60 kg/ha DAP, using an air seeder with ConservaPack harrows.

Trifluralin at 1 L/ha was applied immediately pre-plant.

Metolachlor at 1 L/ha was applied immediately post-plant.

Rainfall after sowing was sufficient to germinate wheat and ryegrass, and to activate the herbicides.

Plant counts were done on June 20<sup>th</sup>, when the crop was 4-5 leaf, 2 tillers.

Treatment	Wheat /m <sup>2</sup>	%	Ryegrass /m <sup>2</sup>	%
Basal - Triasulfuron + Chlorsulfuron	106	100	518	100
Basal + Metolachlor	102	96	296	57
Basal + Trifluralin	85	80	94	18
Basal + Metolachlor + Trifluralin	83	78	18	3
lsd 5%	20		140	

Note the excellent ryegrass control from the two chemicals together, compared to either one alone.

Note also that the SU's + Trifluralin have reduced the crop establishment. This is a common observation with this type of mix.

**Ryegrass control using Trifluralin + Metolachlor at 1 L/ha each.**



**No Trifluralin/Metolachlor. The ryegrass has run wild!**

