

On Coarse® DRA is the most effective drift reduction adjuvant on the market.

- **Drift reducing adjuvant delivering increased confidence and better value per hectare**
- **Broader label for use over a wide range of glyphosate tank mixtures and paraquat products**
- **Supported by a comprehensive spray quality database of nozzle, size and pressure combinations.**

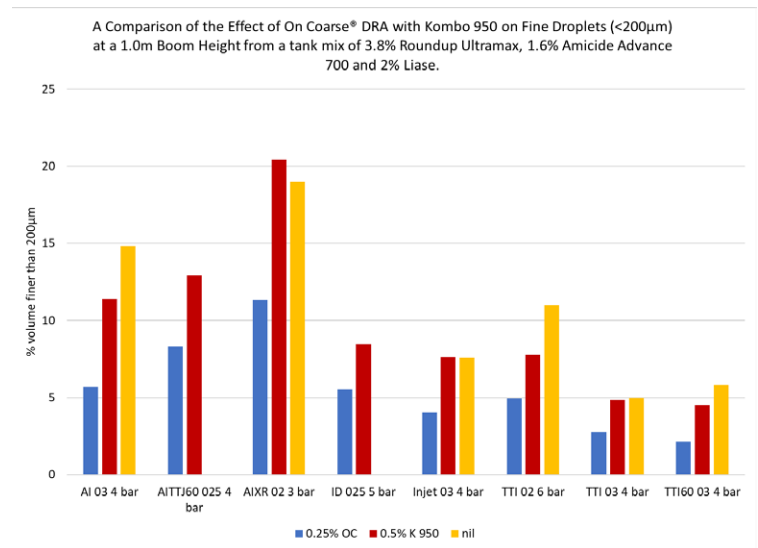
Many adjuvants have been used as supposed drift retardants with varying degrees of success and very few of them have much relevant data behind them. One of the most important features of On Coarse® DRA is that its claims as a drift reduction adjuvant are based on a very extensive database of wind-tunnel testing at the CPAS facility at UQ Gatton. On Coarse® DRA is the only adjuvant with its own spray quality chart, available at fmcrop.com.au.

In the course of studying just how effective On Coarse® DRA is at preventing fine droplets being produced by ground-rig boom spray nozzles, we've made comparisons in various projects to a number of products on the market which claim this same benefit. In this technical note, we present some data extracted from those studies to demonstrate the relative effectiveness of On Coarse® DRA.

Compared to Kombo 950

Kombo 950 at 0.5% w/v was compared to On Coarse® DRA at 0.25% v/v when mixed with 1.9L of Roundup Ultramax and 800ml of Amicide Advance in 50L of water and applied through eight different nozzles. This mixture requires a minimum very coarse spray quality.

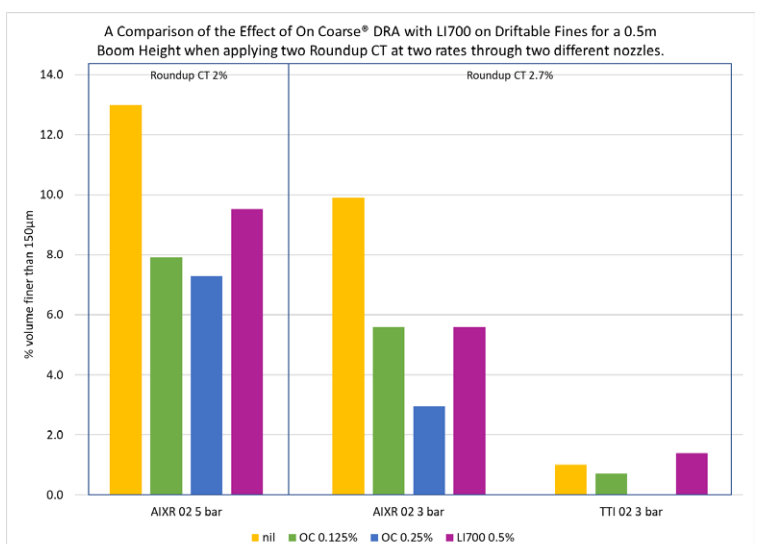
Through all nozzles, On Coarse® DRA reduced fines significantly more than Kombo 950. Kombo 950 actually increased fines through the AIXR 02, and showed no benefit through the Injet 03 nor TTI 03. All nozzles at these pressures could be used to apply 2,4-D at its minimum spray quality using On Coarse® DRA but neither the AIXR 02 nor the AITTJ60 025 would apply at least a very coarse spray quality with Kombo 950.



Compared to LI700 with Roundup alone

LI700 at 0.5% v/v was compared to On Coarse® DRA at both 0.125 and 0.25% v/v when mixed with 1.9L of Roundup 450 CT alone at two different rates, 1L/50L and 1.35L/50L.

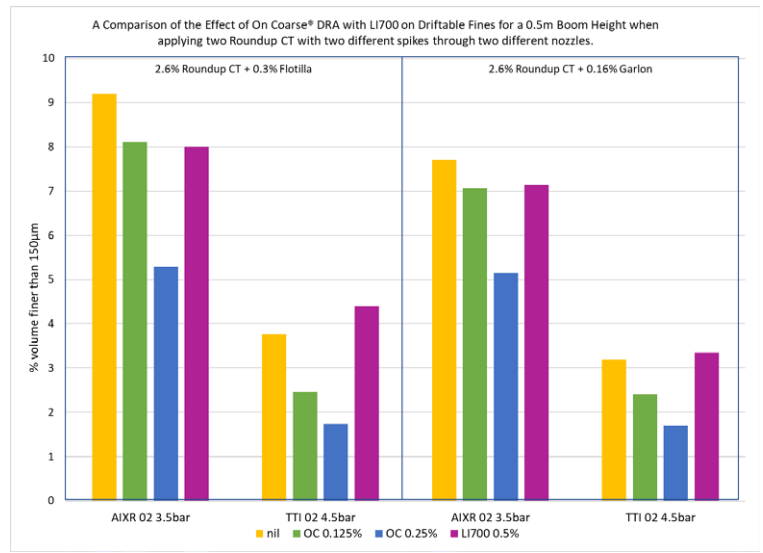
On Coarse® DRA, even at its low rate of 0.125% v/v was more effective than LI700 at reducing fines through both AIXR and TTI nozzles. At the 0.25% v/v rate, On Coarse® DRA was significantly more effective at reducing fines than LI700.



Compared to LI700 with Roundup and spike

LI700 at 0.5% v/v was compared to On Coarse® DRA at both 0.125 and 0.25% v/v when mixed with 1.3L/50L of Roundup 450 CT alone with two different Group I herbicides, fluroxypyr (Flotilla) and triclopyr (Garlon).

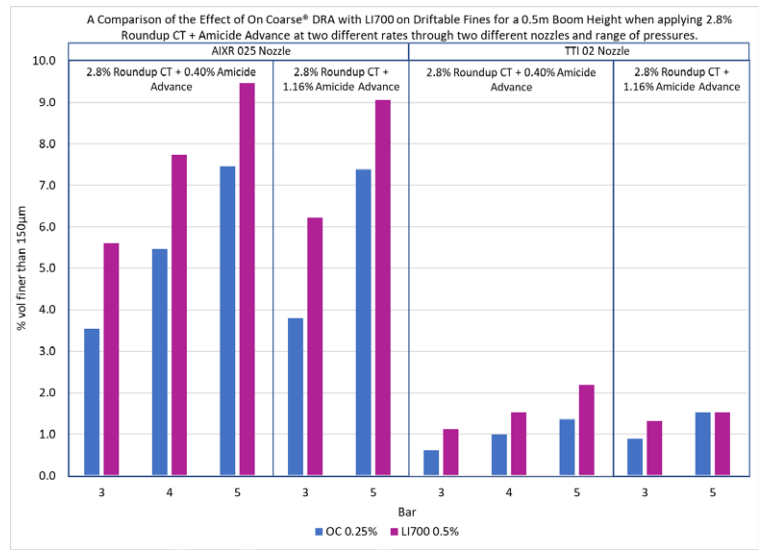
On Coarse® DRA, even at its low rate of 0.125% v/v gave similar or better fine droplet reduction than LI700 while at its higher rate (0.25% v/v), On Coarse® DRA was twice as effective as LI700 through the TTI nozzle and 35% more effective through the AIXR nozzle. LI700 actually increased fines production through the TTI nozzle with both mixtures.



Compared to LI700 with Roundup and 2,4-D

In this project, LI700 at 0.5% v/v was compared to On Coarse® DRA at 0.25% v/v mixed with 1.4L/50L of Roundup 450 CT and either a low or high rate of 2,4-D (Amicide Advance 700) when applied through an AIXR025 nozzle or TTI 02 nozzle at three different pressures.

Through the AIXR nozzle, On Coarse® DRA gave about the equivalent of 1 bar lower pressure on the nozzle's fines production compared to LI700. Through the TTI, On Coarse® DRA was between 35 and 50% more effective than LI700. The rate of 2,4-D had little effect.

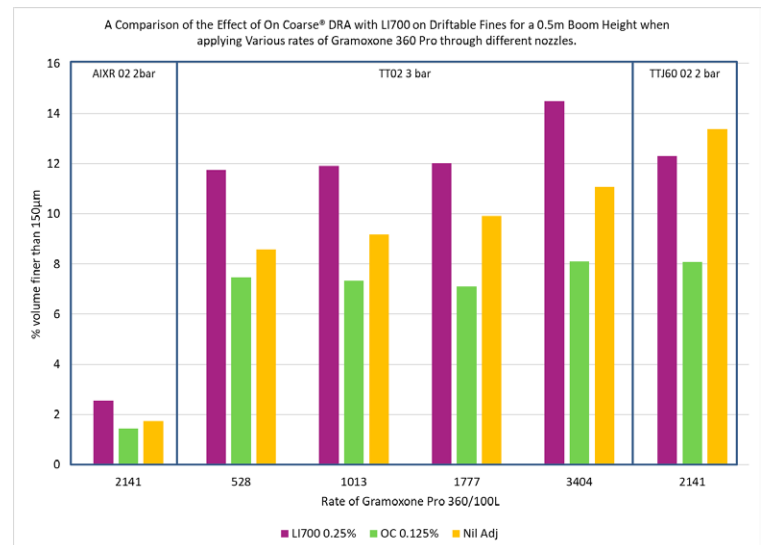


Compared to LI700 with Gramoxone 360 Pro

LI700 at 0.5% was compared to On Coarse® DRA at 0.125% v/v with Gramoxone Pro through three different nozzles.

In each scenario, LI700 increased the fine droplets relative to nil adjuvant, while On Coarse® DRA reduced them.

Fines production was not affected by Gramoxone rate through the TT nozzle until the very high rate. However, On Coarse® DRA maintained fines at between 7 and 8% across all rates. When LI700 was used with the high rate of Gramoxone, fines were double those of the On Coarse® DRA mixture.



For further information please visit ag.fmccrop.com/au or contact your local representative

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