



a 'Round The Traps'

March 2019



FERTI-TECH



DRY SURVIVOR MODE!

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NO SUB-SOIL MOISTURE

NEEDS 30MM JUST TO BECOME A SPONGE FOR MORE!

'DEEP DRY' A SERIOUS CONCERN

The drought continues across a lot of southern Australia; coastal or inland hardly matters – it's bone-dry and getting worse. Our travels (doing soil testing) around Southern NSW, most of Victoria and SA and Southern WA keeps coming up with the same observation; no sub-soil at depth. Trees are dying. The small and mid-size bushes and trees that haven't rooted deep enough are stressed. They still look green but the die-back, burnt tips and paling has already begun in a lot of districts and that means they're a month or so from dropping leaves and dying.

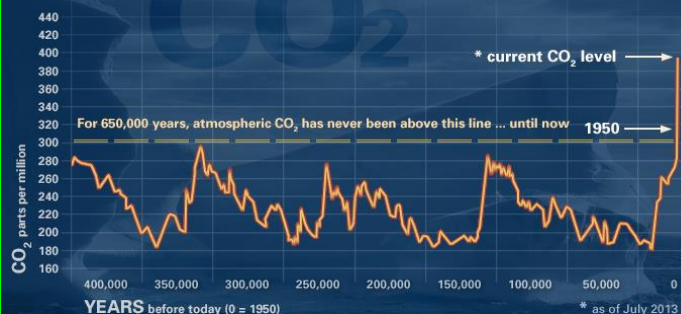
SO WE ARE IN A DEEP-DRY NOW and that means we switch to the CSA 'Dry-Survivor' Program Mode for many of our clients. Common themes in that mode – No Canola or Beans; Half Fertiliser Rates (but still 4 Units K in that). Lower Liquid Inject Rates for some paddocks and more for others. Very WUE related because that's all that counts now. High use of Ferti-Seed Enhancer (the cheapest form of starter fertiliser you'll ever use). Strong emphasis on Barley; look at cutting the seeding rates as well to lower the in-furrow water demand per plant. Switch across to strategic foliar as we wait and see if it's worth spending on the crop. The CSA 'Grow Thru Winter' Program is on the radar as a must-have. Winter will be the only time we can be sure of some rain so it's the only time we can advance the crop to make sure we can see the finish line with a worthwhile Yield. You can't trust any Spring rains anymore and if you're too far behind and Spring just cuts-out you're stuffed. CSA Programs have good Frost Protection anyhow so we'd rather face that than have nothing to harvest instead. Dry Survivor Mode Now!

SOIL TESTS ALSO HIGHLIGHTING SERIOUS TRACE ELEMENT CONCERNS

You know Trace Elements are important; and you know you can see evidence of that in poor looking leaves with yellowing, veining, stunted shapes etc. What doesn't seem to be appreciated across all the states is JUST HOW BAD THE SITUATION IS. So many soil tests; especially on new projects, problem paddocks or never-tested paddocks; are coming back critically deficient in Traces – Zinc, Copper, Manganese especially, with regional patches of deficient Iron or Boron being very soil-type specific. I am not talking 'lock-up' either. When we do Total Acid Extractables on higher Alkaline soils we are NOT seeing the reserve of Traces usually embedded in those profiles either. THE TRACES ARE JUST NOT THERE! So the only way forward is to put them there. You get way more yield, robustness and crop health with good Traces! Research the facts; Good Trace Levels can take Wheat from 3 to 4 to 5 wide. Think about it!

CSA + CO2 + WUE = PROFIT!

Whether we are currently driving climate change anthropomorphically (man-made) or not; the fact remains the climate changes. Plants love CO2 – but you have to manage the downsides to that as well. Water Use Efficiency is the Key to surviving Climate Change. BETTER ON-FARM WUE is all you need to prosper. Get Cracking on Building it UP! Smart 'Grow Zones' that 'agronomically' pump WUE into the ground happen when Plants are given the resources and chemistry to do it! Carbon Systems Agronomy has been keeping crops alive and greener in drought – and alive and greener in hostile soils, flood and frost as well. It's a fact we consistently replicate. **WUE = CROP PROFITS AND CSA BUILDS IT IN-SEASON!**



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