

GROW

Carrs' Seeds Latest News
August 2020

Trading Hours

Mon - Fri
8.00am - 5.30pm
Saturday Trading
9am till 11.30am



Principles of plant analysis

Plant analysis is used to assess the status of nutrients in plants at the time of sampling. The Information is used in similar ways as soil test nutrient levels. Information on nutrient levels is used to determine existing or potential nutrient deficiencies or toxicities. Plant analysis can be used to diagnose a problem or to monitor nutrient supply throughout the growing season.

Plant analysis is important in identifying or predicting a 'hidden hunger' . This is where no deficiency symptoms occur, but where the productivity of the plants may already be reduced.

Plant analysis can be used for troubleshooting or diagnosing problem areas, by comparing the results from samples taken from poor and better growing areas.

For most crop types and pasture species, critical nutrient concentrations that will produce 90% of the maximum yield are known. Plant nutrient levels are reported as high, optimum or low and can be compared with levels that produce optimum yields. Fertiliser decisions and then be

made to decrease, maintain or increase a particular nutrient rate and /or frequency of application. Plant samples are taken for individual species, from a specific plant part and at a specific plant age when nutrient testing, as critical nutrient concentrations have been developed accordingly.

Plant tissue analysis

- Refine nutrient applications
- Diagnose a problem
- Monitor nutrient supply
- Predict a hidden hunger—no deficiency symptoms occur

Plant analysis is a more reliable and accurate guide to micronutrient levels and requirements than soil testing. Soil testing reports the amount of nutrient believed to be plant available. Because micronutrients are taken up in such small amounts by the plant, accuracy in estimating the plant available fraction in soil tests become less reliable.

Plant tissue analysis

- Most crops—nutrient concentrations that produce 90% of maximum yield are known
- Plant analysis is a more reliable guide to micronutrient levels than soil testing

DIARY DATES

ChemCert Accreditation
Cummins
Tue, 25th Aug

August 2020

MO	TU	WE	TH	FR	SA	SU
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

We've had a Facelift!

There has been a few changes around here, one being the freshen up of our website. Make sure you jump on and take a look. We had the very talented Alicia Laube out and about with us snapping away!



You can also find us on Facebook & Twitter

Product overview

Topnotch™ is a 'fully-loaded' combination of the two best-in-class fungicides for premium control of foliar diseases in barley and wheat. It contains 200 g/L azoxystrobin and 200 g/L propiconazole, two highly effective active ingredients from the strobilurin and triazole fungicide families, in a unique suspo-emulsion (SE) formulation. Topnotch combines two distinctly different modes of action (Group 3 / 11) for improved spectrum, efficacy and resistance management.

Diseases controlled

Topnotch is registered for the control of Leaf Rust, Net Blotch (net and spot form), Powdery Mildew and Scald in barley; and Septoria Nodorum Blotch, Septoria Tritici Blotch, Powdery Mildew, Leaf Rust, Stem Rust, Stripe Rust and Yellow Spot in wheat.



The perfect brew for barley and wheat.

Topnotch™



Cummins Rural Traders Pty Ltd T/A Carrs' Seeds

1-7 Phillips Street, Cummins, SA, 5631

Ph: (08) 8676 2016 Fax: (08) 8676 2007

admin@nrincs.com.au

www.carrsseeds.com



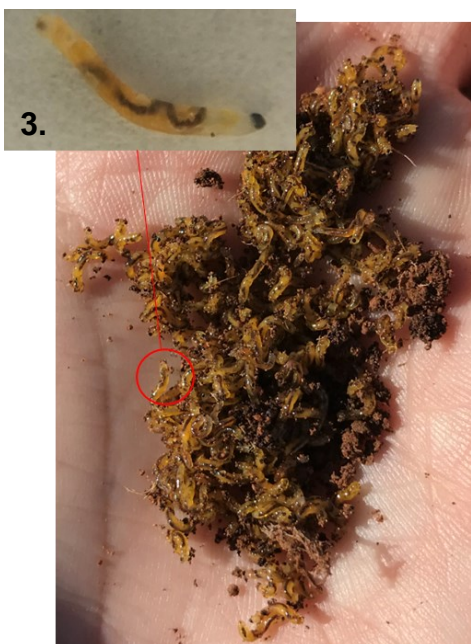
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Annotated photos with Bridget Heal



1. According to PestFacts (PIRSA) there have been a number of reported sightings of **armyworm** across the Eyre Peninsula in recent weeks. The caterpillar pictured here on the left was found in a cover crop near Port Kenny, limited feeding damage was evident as the crop consisted of mainly brassicas and legumes which are less susceptible to armyworm. We have also seen armyworm approximately 5km south of Cummins causing significant damage to a barley crop.



2. This **brown pasture looper** larva on the right, was found in the Mount Drummond area causing some damage to a crop of established faba beans. They are generally considered a minor pest, however can cause severe damage to newly emerged seedlings.



3. The larvae pictured here on the left, are known as **fungus gnat larvae**. They were discovered under stubble residue in a cover crop along side some fugi. In this particular situation they would be considered beneficial as they were assisting in the break down of the stubble. However, they are considered a pest in greenhouses as they can feed on small roots of plants that are in very moist conditions.



SWATH ROLLER

A swathroller compacts your swath by pushing it down, which reduces crop loss by preventing some of the wind scattering.

- 2.42 Meter roller width
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- Roller height is easy to adjust

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Burando Hill



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**For
heavier,
healthier
lambs**

*Remember
to Glanvac
twice!*

"GLANVAC TWICE"

once at marking, and again at weaning.

*This booster dose at weaning is extremely important!
If lambs don't receive this 2nd dose, they won't be protected!*

ChemCert is back up and running with Chemical Accreditation courses in SA.

Course have been filling fast and a limit of 10 on persons attending to ensure venues are able to meet Covid distancing rules.

ChemCert ask that anyone displaying cough/flu like symptoms does not attend and calls us to make other arrangements.

The course is fully accredited to AQF3 standard and includes the new units of competence:

AHCCHM304

Transport and store chemicals

AHCCHM307

Prepare and apply chemicals to control pest, weeds & diseases

Face to Face Card renewal is priced at \$275 and first time accreditation at \$350 (both GST Exempt)

The course is completed on the one day, though some pre-reading (which will be emailed to course participants on the Wednesday prior to course) will certainly aid participants.

ChemCert also offers the Chemical Accreditation & Chemical Card renewal online and details can be found at the link below.

To book a place in a course go to our online booking form at: <https://form.jotform.co/90076843157865>

OR at: <http://bit.ly/ChemCertCourses>

OR 1800 444 228

Carrs' Contacts

Denis Pedler
Snr Agronomist
0428 762 016

Bridget Heal
Agronomist
0429 435 529

Douglas Green
Stock & Sales Manager
0429 133 883

Francesca Nistico
Admin & Animal Health
08 8676 2016
admin@nracs.com.au

Amy Williams
Accounts & Finance
08 8676 2016



ChemCert Accreditation

There's only one ChemCert Card!



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Nitrate Poisoning in Sheep

Cause

A common disease when sheep graze lush pastures containing plants such as cape weed, oats, canola and wild turnip. Nitrate concentrations are usually higher in young plants and decrease as plants mature.

Symptoms

The main symptom is a scour that does not respond to worm drenches. Severely affected cases can have a brownish discolouration of the mucous membranes.

Diagnosis

Based on a history of grazing plants with high nitrate level and post mortem specimens being submitted to a laboratory.

Treatment

There is no treatment for nitrate poisoning. The scouring should stop when the animals are removed from the high nitrate feed. Severe cases with discolouration of the mucous membranes can be treated with methylene blue.

Prevention

Avoid grazing plants with high nitrate levels. Poisoning can be reduced by providing access to well dried cereal hay. Using green feed stock blocks are a viable option on risky pastures. High starch grain supplementation may also be an option (seek expert advice).

**above information supplied by PIRSA*





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BENTOBITE



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A protein supplement with bentonite.

TYPICAL ANALYSIS	
Protein Meal	25%
Total Protein Equivalents	9%
Molasses	7%
Salt (NaCl)	31%
Bentonite	33%
Sulphur (S)	2.2%

FOR ANIMAL TREATMENT ONLY.
THIS PRODUCT DOES NOT CONTAIN RESTRICTED ANIMAL MATERIAL.



Olsson's Bentobite helps absorb toxins, boosting production and controlling green season scouring.

Containing bentonite and protein meal, this block offers the benefits of binding some toxins in the gut, balancing rumen function and offering bypass protein.

Research at the University of New England showed that the addition of a very small amount of bentonite clay mineral and high quality bypass protein into the diet of sheep and cattle was highly beneficial in improving productivity.

DIRECTIONS FOR USE

Feeding Instructions:
Feed rates are dependent on pasture conditions.

Sheep/Goats: 5-10g per head per day.

Cattle: 50-100g per head per day.

Place out sufficient blocks to avoid overcrowding of stock. Replace immediately when consumed.

Bentobite can be used in conjunction with the Olsson Indicator system.

Avoid contact with skin and eyes.

Storage Instructions:
Store out of direct sunlight and under cover.



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