

MITIGATING THE EFFECTS OF DAMAGE FROM HEAVY SNOW

Wheat Growers in Xinjiang, China experience the Benefits of RLF Specialty Fertiliser

Authorised for release by :

Melanie Wu,
Deputy General Manager, RLF China,
and translated by Echo Dong



The snowfall of 23rd May 2018 in Xinjiang, China

This was the scene when heavy snow suddenly fell in Xinjiang.

The Xinjiang weather station issued a Cold Wave Blue warning signal at 13:00 hours on 23rd May 2018, saying “*It is estimated that temperatures in the northern part of Xinjiang will fall by around 8°C from tonight until the following evening. A cold wave will occur in the northern part of the Tacheng area, the Altay region, the eastern part of Luji, and the northern part of Hami City. The temperature will drop by 10-12°C. The daily minimum temperature in these areas will drop to 2-4°C, accompanied by varying degrees of frost.*”

This was a serious warning for farmers and growers.



The spring wheat crop in Zhaosu County, Xinjiang

The average daily temperature in May this year in Xinjiang was the lowest in the past four years, and the temperature fluctuations were extreme. Following the freezing of some crops in early May, some areas in Xinjiang were once again subjected to heavy storms and snowfalls on 23rd May, which caused many losses and adverse effects for the local broadacre, animal, forestry and fruit production industries.



The spring wheat crop in Zhaosu County, Xinjiang



The spring wheat in the No. 74 Regiment of Xinjiang

Mitigating the Damage Sustained

In May of each year, the spring wheat crops in most areas of Xinjiang enter the stages of tillering and jointing.

The RLF Technical Team advised the following remedial measures for the wheat fields that suffered damage from the freezing.

1. FERTILISER AND WATER

Wheat is a crop with tillering properties. Since the main stem and the growth point of the big tiller are subjected to freezing damage, the growth centre has begun to transfer to the small tiller that still survives. So, it is important to promote the growth of the small tillers. As long as the management is strengthened, a good harvest can still be obtained.

Wheat affected by spring freezing should immediately be applied with available nitrogen fertiliser and watering. The synergistic effect of nitrogen and moisture will promote the early tillering of wheat, increase the percentage of spikes per tiller, and enhance the number of panicles per mu ($\approx 670\text{sqm}$) of land, thereby reducing the loss due to freezing damage. Generally, 10kg Urea is applied for each mu ($\approx 670\text{sqm}$) of land.



2. TAKE SUBSOIL AND CONSERVATION TILLAGE MEASURES

Raise the ground temperature to increase the number of tillers. This will help achieve a good harvest.

3. APPLY FOLIAR FERTILISER

After wheat has been frozen, the timely spraying of plant cell membrane stabiliser can promote the recovery of wheat. This measure gives the rapid growth of middle and small tillering and the rapid growth of latent buds.

The RLF Recommended Foliar Fertiliser Program

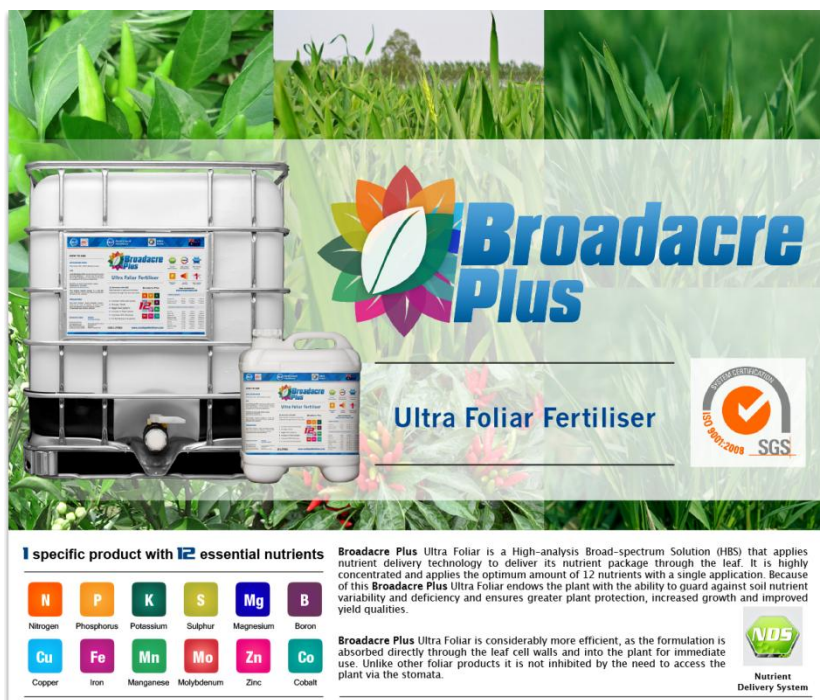
Foliar spray 25-30ml of RLF **Broadacre Plus** Ultra Foliar for each mu ($\approx 670\text{sqm}$) of land together with 25ml *Brassicin* per mu ($\approx 670\text{sqm}$) of land.



4. ATTEND TO DISEASE PREVENTION

The frozen wheat fields are more vulnerable to pests and diseases and the farmer should not lose sight of this and work to prevent and treat the crop in a timely way. Wheat powdery mildew and rust can be controlled with *Propiconazole* or *Epoxiconazole* spray to reduce losses.

Learn more about RLF Broadacre Plus Ultra Foliar



Broadacre Plus
Ultra Foliar Fertiliser

1 specific product with 12 essential nutrients

N	P	K	S	Mg	B
Nitrogen	Phosphorus	Potassium	Sulphur	Magnesium	Boron
Cu	Fe	Mn	Mo	Zn	Co
Copper	Iron	Manganese	Molybdenum	Zinc	Cobalt

Broadacre Plus Ultra Foliar is a High-analysis Broad-spectrum Solution (HBS) that applies nutrient delivery technology to deliver its nutrient package through the leaf. It is highly concentrated and applies the optimum amount of 12 nutrients with a single application. Because of this **Broadacre Plus** Ultra Foliar endows the plant with the ability to guard against soil nutrient variability and deficiency and ensures greater plant protection, increased growth and improved yield qualities.

Broadacre Plus Ultra Foliar is considerably more efficient, as the formulation is absorbed directly through the leaf cell walls and into the plant for immediate use. Unlike other foliar products it is not inhibited by the need to access the plant via the stomata.

NDS
Nutrient Delivery System

SGS
ISO 9001:2008

[Click here to view this Product Brochure](#)

- ✓ Ultra Foliar Fertiliser with 12 essential nutrients.
- ✓ High-analysis and Broad-spectrum for all broadacre crops.
- ✓ Taken up by the leaf through the cell walls for the plant's immediate use.
- ✓ Guards against soil nutrient variability and deficiency, increases growth and improves yield qualities.
- ✓ Returns more matter to the soil enhancing natural soil fertility.
- ✓ Delivers a greater size and volume root system.

The content of this media page was accurate and current at the time that it was written. This media release is provided for interested customers and other parties, and will remain a matter of RLF's historical record. Viewed in this context RLF therefore undertakes no obligation to update either material or content.