

IMPROVING THE YIELD OF GREEN STORAGE MAIZE

RLF Crop Nutrition adds Value for Animal Feed Crops

Authorised for release by:

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

Feed is the key to keeping cattle and sheep strong.

This is also the reason why Wulanchabu, as a significant animal husbandry city has actively developed the cultivation of green storage maize in recent years. Green storage is the simplest and easiest way to preserve the nutritional value of the feed crop. It not only preserves it for a long time to ensure a balanced supply throughout the year, but also softens the hard straw making the leaves green and juicy, with a high degree of digestibility. It is a most effective way of solving the feed needs of cattle and sheep.

RLF recently held a green storage maize demonstration meeting in Bayintala Town, Wulanchabu City.



These photo images show the location and participants of the green storage maize observation meeting

Farming in Wulanchabu

Wulanchabu is located in the 'sickle bend' area of the country, and in combination with the policy of reducing the maize growing area, the local government vigorously promotes the conversion of grain to animal feed and encourages local farmers to cultivate green storage maize to provide support for the rapid development of animal husbandry.

As an important local basic forage, the quality of green storage feed has been paid more and more attention by farmers. The nutritional value of raw materials is the pre-condition to improving the quality of green storage feed.

RLF has been focusing on crop nutrition research for more than 20 years, and is committed to providing innovative crop nutrition products to farmers around the world to help them break through the limitations of crop growth. In Wulanchabu, in Inner Mongolia, RLF will continue to dedicate efforts to improve the quality of green storage maize so that growers can experience the benefits of modern crop nutrition in line with the transformation policies of China's agriculture.

Demonstration Trial No.1 of RLF Products on Green Storage Maize

Date	3 rd August 2019		
Location	Bayintala Town, Wulanchabu City		
Trial Farmer	Liu Fahui		
Sowing Period	Middle to late May 2019		
Crop Nutrition Program	Stage	Used Product	Method
	Seedling stage	Zinc Plus	Foliar spray at 25ml per mu
	Big trumpet stage	Plant Milk High-N	Foliar spray at 100g per mu



Key Observations

Through field observation of the Control v Trial plantings, it was found that the growth period of green storage maize treated with RLF products was 3-5 days earlier than that of the Control – which was beneficial to dry matter accumulation.

In addition, the average thickness of the Control blade was 0.26mm with the average thickness of the RLF-treated blades being 0.34mm.



Scenes from around the first trial site

Demonstration Trial No.2 of RLF Products on Green Storage Maize

Date	3 rd August 2019
Location	Bayintala Town, Wulanchabu City
Sowing Date	16 th July 2019
Sowing Period	Middle to late May 2019
Crop Nutrition Program	5ml BSN Superstrike per kg of seed

Key Observations



The maize RLF-treated crop showing thicker and stronger stalks



Data measurement shows that the average stem of RLF-treated maize was 0.3mm thicker than the Control. The plant height was 9 cm higher and the roots were longer and stronger.

Explaining the Effects of RLF BSN Superstrike for the Farmers



RLF Senior Technical Manager, Qiu Mengbin delivering technical information for the local farmers

Sharing information with farmers is an important focus for RLF. Senior Technical Manager Qiu Mengbin, made the following points about the topdressing of green storage maize as an important management measure to ensure high yield and quality.

- Maize likes nitrogen, phosphorus and potassium, boron and zinc micronutrients. It is especially sensitive to zinc once zinc deficiency occurs, and as a result seedling albinism, photosynthesis decline, poor pollination and other issues arise.
- In addition to 167g/L available zinc, RLF Zinc Plus also contains copper, manganese, boron and other trace elements. This means it can significantly promote the growth of leaves and buds, effectively prevent and correct stiff seedlings, leaf yellowing, plant dwarfing caused by zinc deficiency and has an obvious effect on the yield increase of green storage maize.

About the Products Used in the Demonstration Trials

RLF Plant Milk High-N

Supplements the nitrogen, phosphorus, potassium, copper, manganese, zinc, boron and other trace elements needed by crops on the leaf surface. The compound nitrogen, phosphorus and potassium can reach up to 400 g/L. The product's unique nutrient delivery system ensures high absorption and utilisation rate, which adequately provides the nutrients needed for the growth of green storage maize, promotes panicle differentiation and increases yield and starch content.



RLF Zinc Plus

The big trumpet stage is the best period for maize topdressing with this product. Because reproductive growth and vegetative growth are more vigorous at this time, the need for fertiliser is increased.



RLF BSN Superstrike

Chelates phosphorus, sulfur, zinc, copper, molybdenum and other nutrients, which quickly enter the seed interior, providing adequate nutrition for seed germination, so that it achieves a strong root system, seedling vigour, enhanced disease and climate resistance especially for low temperatures, late spring cold and other adverse weathers. It has been popularised nationally for nearly ten years, and has been tested on a variety of crops such as corn, rice, wheat, peanuts, etc. – all of which have proved safe and effective with good harvest yields.



A Recommended General Crop Nutrition Program for Green Storage Maize

On the premise of guaranteeing the effect of the experiment, Mr. Qiu provided a more perfect nutritional program for green storage maize. It consisted of one mixing, two spraying and one irrigation.

This is as follows and is supported by the local planting trials and demonstrations.

Stage	RLF Product	Method	Application Purpose
Before sowing	BSN Superstrike	Mix 4-5ml for each kilogram of seed	To eliminate the internal differences of seeds, provide nutrition for the first four weeks of crop growth, and to ensure strong roots and seedlings.
Seedling stage	Zinc Plus	Foliar spray at 20-25ml per mu	To prevent and correct yellowing and plant dwarfing caused by zinc deficiency and to enhance stress resistance.
Big trumpet stage	Broadacre Plus	Foliar spray at 100g per mu	To raise green seedlings quickly, replenish needed nitrogen, phosphorus, potassium and other essential and various trace elements.
Flowering to maturity stage	Plant Milk High-K	Irrigation of 1.6L per mu	To promote fruit enlargement and improvement of crop yield and quality.



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.