PROMOTING MODERN FERTILISER PRACTICE IN XINJIANG

Featuring Cotton and Wheat Trials in the Xinjiang Uygur Autonomous Region

Authorised for release by :

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Xinjiang has fertile farmlands and is largely irrigated by the melting snow of the Tianshan Mountains. RLF and its partners are working hard to promote RLF products and influence a move towards modern fertiliser practice in accordance with government agricultural initiatives within the region. The main agricultural outputs are from cotton, grain crops, special fruits and forestry.

Case-sharing a Wheat Crop

Xinjiang is one of the suitable areas for grain production in China, mainly geared towards wheat and corn production. Specialised varieties of wheat are grown that target different markets, such as high quality human consumption varieties as well as for stock feed grain.

Trial Date	May, 2017
Trial Location	Zhaosu County in Ili Prefecture, 166 and 167 regiments of Emin region
Trial Fertiliser Program	**Tillering stage** Foliar spray with RLF **Broadacre Plus** Ultra Foliar at 1000 times dilution. **Booting stage** Foliar spray with RLF **Broadacre Plus** Ultra Foliar at 1000 times dilution PLUS RLF **Boron Plus** Foliar at 2500 times dilution. **Grain filling stage** Foliar spray with RLF **Broadacre Plus** Ultra Foliar at 1000 times dilution.

The Excellent Results Observed by the Grower

- ✓ It relieved the frost damage to the wheat and brought it back to life
- ✓ The yellow leaves turned green
- ✓ Root activity was improved
- ✓ The wheat grew strongly and had no lodging
- ✓ There was enhanced pollination
- ✓ The quick uptake of the nutrient supplementation was clearly noticeable
- ✓ Deficiency symptoms were controlled
- ✓ The usual adverse environmental impacts were reduced
- ✓ Foliar application compensated for the lack of root absorption capacity at the late growth stage
- ✓ The nutrient requirement and grouting speed in grain filling stage was met
- ✓ There was increased grain fill of the wheat making it big and full
- ✓ There was accelerated maturation of grouting and increased overall yield

The wheat grower is very satisfied with the results of RLF products on his crop

Case-sharing a Cotton Crop

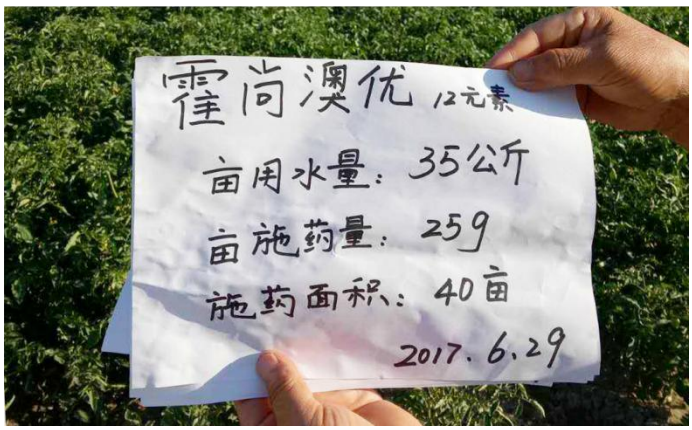
Xinjiang has become the world's largest growing region for hand picked medium cotton and for the exclusive long-staple cotton in China. Cotton production from this area accounts for 40% of China's market and 8% of the Global market, ranking it at the top of domestic sales and export volume for 15 consecutive years. The cotton industry has become an important pillar industry in the rural economy of Xinjiang.

Trial Date	May, 2017
Trial Location	Markit County of Shihezi and Kashi Prefecture
Trial Fertiliser Program	**Seedling stage** Foliar spray with RLF **Broadacre Plus** Ultra Foliar at 1000 times dilution. **Bud stage** Foliar spray with RLF **Broadacre Plus** Ultra Foliar at 1000 times dilution. **Flowering stage** Foliar spray with RLF **Broadacre Plus** Ultra Foliar at 1000 times dilution PLUS and **Boron Plus** Foliar at 2500 times dilution. **Bolling stage** Foliar spray the RLF **Broadacre Plus** Ultra Foliar at 1000 times dilution PLUS **Calcium Plus** Foliar at 2000 times dilution AND RLF Fertigation product **Plant Milk High-K** at the rate of 1kg per Mu.

The Excellent Results Observed by the Grower

- ✓ **It gave the cotton a compact and reasonable structure**
- ✓ **The internodes shortened, the pollen tube stretched and pollination rate increased**
- ✓ **It ensured the steady growth of the cotton during the blooming period**
- ✓ **It inhibited the formation of abscisic acid**
- ✓ **It accelerated the lignification of the pedicel, peach stalk abscission zone**
- ✓ **It restrained the growth of ineffective bud and excess bud in later period**
- ✓ **It rapidly increased the transfer of vegetative growth to reproductive growth, causing the cotton boll to expand rapidly**
- ✓ **Nutrient storage in the cotton boll was improved**
- ✓ **Cotton maturity was better controlled and it prevented physiological abscission of cotton boll and presenility**
- ✓ **It gave balanced crop nutrition during the whole growth period**

The Xinjiang cotton grower in his field



Using RLF Products

Conclusion

In addition to these two case-sharing experiences, excellent results were also achieved in Catsup tomato, corn, chili, melon, beet, soybean and potato after they were treated with RLF products.

Xinjiang is revered for its unique agricultural qualities, and much loved songs and poetry capture the majesty of the Tianshan Mountains, the vastness of the grasslands, the Gobi desert landscape and the richness of the region's resources.

Xinjiang agriculture is divided into hundreds of smaller 'oasis' surrounded by desert and Gobi. It is divided into three production areas – south, east and north. These unique geographical formations, the climatic conditions and natural resources together, give the many beneficial characteristics that support the prolific agriculture in the region. The Xinjiang cotton industry is distributed across all areas of Xinjiang, however southern Xinjiang is the major producing area of upland cotton and long staple cotton.

RLF is helping to promote the development of modern agriculture in Xinjiang, providing innovative crop nutrition products and changed practice solutions to more and more farmers. The RLF Team is helping farmers break through the limitations of crop growth to achieve higher yield and greater economic benefits.

This article shares two of these experiences and excellent returns for the field crops of cotton and wheat.