Another step forward in late blight control in potatoes

Its superpowers:

- Protection of fast growing plants
- Excellent and rapid rainfastness
- Unique spreading effect
- Best tuber protection
Introduction
Ranman Top is a strong combination of the active ingredient cyazofamid and an adjuvant. It has a TOP efficacy against the potato disease Phytophthora infestans. Ranman Top is formulated as a suspension concentrate (SC) of 160 g/l cyazofamid. Which makes part of the chemical group of cyano-imidazoles. Ranman Top is the best preventive fungicide in the period of fast canopy growth and has an unequalled efficacy against tuber infection. Ranman Top has a good efficacy under all circumstances and ensures an excellent rainfastness.

Mode of action
Cyazofamid acts on the respiratory system of Phytophthora infestans by blocking the mitochondrial electron transport (energy supply of the pothogen) in the mitochondrial inner membrane. Cyazofamid is the only product on the market to bind at the Qi site (Quinone inside Inhibitor), blocking the reduction of ubiquinone to ubiquinol - Mitochondria Complex III ubiquinone reductase. Ranman Top both acts on the direct and indirect germination of the sporangia. Spores, affected by Ranman Top, are not able anymore to cause infection.

Protection of the new growth
In the period of fast canopy growth, it is important that the newly formed leaves and stems are protected optimally. Ranman Top fits perfect in this segment. At a high rate of growth and an interval of 7 days, there are only few products capable of protecting the new growth preventively. In European trials, conducted by official institutes, Ranman Top shows the best preventive protection of the new growth.

Placement
Ranman Top can be used during the whole growth season and in all weather conditions

Ranman Top provides a perfect distribution and takes care that the active compound is present everywhere.

Tuber protection
Ranman Top has the reputation of the best protector of the tubers. Recent trials confirm this experience from practice. Both the sporekilling efficacy and the effect on the mobility of zoospores explain the tuber protection.

Top rainfastness
The short time that Ranman Top needs, is clearly much shorter than comparable fungicides need. Once in the leaf, it is rainfast until 100 mm and even more. So, Ranman Top is EXTREMELY rainfast. This is also important in case of irrigation.

Perfect distribution on the leaf
Ranman Top provides a perfect distribution and takes care that the active compound is present everywhere.

New growth → Tuber protection
Long residual effect and Rainfastness

Can be used with small volumes of water
Trial results demonstrate that Ranman Top has the same efficacy regardless the water volume (important for large fields).