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Influence of a mixture based on Regortek, Biosprint, Supermicro on productivity and the caliber of the "early potato"in the countryside of Polignano.

Premise

Typical production, as well as strategic, of the area of Polignano a mare (BA) is the early potato sown in March an harvested at the and of June.

The particular agro climatic conditions of the territory of Polignano, characterized by well drained red lands rich in skeletons, accompanied by sea breezes, make the potato of Polignano famous for its organoleptic characteristics making it suitable for different uses in the kitchen.

The cultivated areas are around 1.300 hectares with a production of about 400.000 quintals.

Description of the test

Starting from June 10th 2016, the Open Green technical service has started a test aimed at evaluating the influence of a specific foliar mixture on the productivity and the size of the tubers.

The tests were carried out at the company POLIMNIA located in the countryside of Polignano a Mare, contrada San Vito.The company is one of the most advanced and innovative from an agronomic point of view, being specialized not only in potato farming but also in valuable horticultural productions including lollo, endives, parsley and dill for the most part destined for the GDO of Northern Europe.

Sowing was started on 3 March, the varieties used were two: ACTRICE and ELMUNDO.
The test was conducted on parcels of 500 square meters.

The collection and analysis of the results took place on 4 July .

In particular, two foliar interventions were carried out based on a mixture of the products : REGORTEK, SUPERMICRO, BIOSPRINT.

In detail, the foliar fertilization scheme was conducted according to the following scheme:

Date treatment	Dose REGORTEK	Dose BIOSPRINT	Dose SUPERMICRO
10/06/2016	250g /hl	200g / hl	100g / hl
15/06/2016	250g /hl	200g / hl	100g / hl

The volume of water used was equal to 800 liters of solution for hectare.

Observed results

In both varieties tested, a productivity increase of 15% was observed ; but the data that we consider most significant is that relative to the uniformity and the diameter of the caliber as can be seen in the following photos:

Fig. A – TREATED (var. ACTRICE)

Fig. B – UNTREATED (var. ACTRICE)

Fig. D – TREATED (var. ELMUNDO)

Fig. E – UNTREATED (var. ELMUNDO)

Fig. F – Particular of caliber differences between treaty and not treated.