

**RESPONSE OF FARM HOLDING "DOROSHENKO" OF APPLICATION OF MICROELEMENTED HUMIC
ACID-BASED "BIOPLANT FLORA"
(KRASNODAR REGION)**

Bioplant Flora fertilizer has been applied by FH "Doroshenko" to winter grains in 2005-2008.

Processing in combination with dressing of seeds material was being carried out at the rate of 1 l of Bioplant Flora per 1 t of seeds.

Before seeding we applied "Amofosa" in total 50-70 kg/ha. The first douching has been conducted in autumn on sprouts at the rate of 1,5-2,5 l/ha (concentration of water solution from 1:250 to 1:350).

We applied additional feeding with niter as the rate of 100-150 kg/ha.

The plants have been secondly douched in spring on sprouts at the tillering period at the rate of 1,5-2,5 l/ha (concentration of water solution from 1:250 to 1:350). Processing has been combined with first spring herbigation.

Application of Bioplant Flora allowed:

- to receive the yield of autumn grain;
- receive wheat of 3-4 quality class;
- reduce the amount of applied pesticides by 40-60%;
- not to apply fungicides;
- reduce application of mineral fertilizers by 35-55% with constant yielding ability.

Application of Bioplant Flora allowed plants to survive the drought of 2007.

Bioplant Flora fertilizer has been applied by FH "Doroshenko" to sunflower in 2005-2008. Processing of seeds material was being carried out at the rate of 1 l of Bioplant Flora per 1 t of seeds. Processing was being carried out in combination with treaters.

We applied "Amofosa" in total 30-40 kg/ha during seeding.

Douching of plants with Bioplant Flora solution has been carried out at the rate of 3,0 l/ha (concentration 1:250-1:350) at the third-fourth true leaves pair phase.

Feeding with niter at the rate of 30-50 kg/ha has been combined with interrow cultivation.

Application of Bioplant Flora allowed:

- to obtain the total sunflower seed yield productivity of 22,5-25,7 centner/ha, at that some fields yielded a harvest of 34 centner/ha;
- reduce the amount of applied pesticides by 30-50%;
- not to apply fungicides;
- reduce application of mineral fertilizers by 30-50% with constant yielding ability.

Head of collective farmer household "Doroshenko" (SIGNATURE)

Y.N.Doroshenko

tel. +7(86151)-5-97-58

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(ROUND SEAL)

Russia

Krasnodar region, Shevchenkovskiy district, village Novoscherbinovskaya

Collective farmer household Doroshenko Y.N. VAT number 235600081901