

NON-ROOT FEEDINGS

CROP	DOSAGE, FREQUENCY AND SCHEDULE OF TREATMENTS
Grains	(1,0 l + 10 l of water)/t for seed pretreatment, 0,5 l/ha during the booting phase, 0,5 l/ha during the milk-ripeness phase
Rapeseed	during the budding phase, 0,5-1,0 l/ha
Leguminous crops	1,0 l/ha three times during the budding phase
Buckwheat	0,5 l/ha during the branching phase, 0,5 l/ha during the flower formation phase, 0,5 l/ha during the fruiting phase
Sunflower	0,5 l/ha during the formation of the anthodium
Potatoes	0,5-1,0 l/ha during the development of shoots (10-15 cm), 0,5-1,0 l/ha during the phase of leaf development, 0,5-1,0 l/ha during the phase of budding - beginning of blooming, 0,5 -1,0 l/ha during the blooming phase
Vegetable crops	0,5-2,0 l/ha before blooming, 2-3 treatments with an interval of 10-15 days
Berries	1,0 l/ha during the beginning of budding, 1,0 l/ha 7 days after the formation of the seed bud
Grapes, drupaceous fruits	2,0-3,0 l/ha three treatments: before and after blooming, after the formation of the seed bud
Citrus fruits	0,5-1,0 l/ha three treatments: before and after blooming, after the formation of the seed bud
Apple and pear	2,0-3,0 l/ha three treatments: before and after blooming, after the formation of the seed bud
Cucurbits	1,0-1,5 l/ha before blooming, 2-3 treatments with an interval of 10-15 days

CONSUMPTION RATE OF WORKING SOLUTION FOR NON-ROOT FEEDING:

During aerial treatment - 50 l/ha, surface treatment - 100-300 l/ha. Leaf treatment should be carried out in dry non-windy weather, in the temperature range from +10 to + 25 C in the evening or morning hours

The number of feedings, the optimal timing of application, the frequency of application and the rate of fertilizer consumption are recommended to be adjusted in each case depending on the type of crop, the technology of its cultivation, the expected yield, the analysis of leaf diagnostics and agrochemical parameters of the soil.

ADDITIONAL INFORMATION

Density	1,25 g/cm ³
pH (1% aqueous solution)	6,5
pH (concentrate)	9-10



HYDROSULFUR
AGRO
(HydroSera)

Innovative safe
solution for the
protection and growth
stimulation of plants

MANUFACTURER:

OOO TK "SeraProm"

📍 450006, Russia, Bashkortostan, city of Ufa, 156/3 Parkhomenko street, office #1012

☎ (347) 286-14-16;

🌐 www.hydrosulfur.com

🌐 www.hydrosera.ru

✉ info@hydrosera.ru

hydrosulfur.com

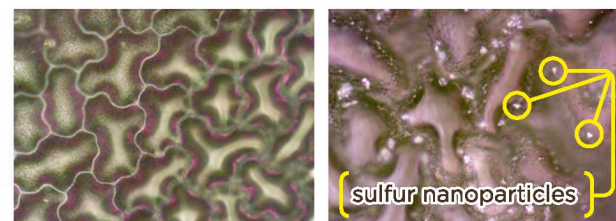
HydroSulfur* is a calcium polysulfide (95%) in a concentrated solution. Serves as a non-root feeding and plant growth regulator while exhibiting fungicidal and acaricidal properties, thereby increasing the resistance of plants to diseases and pests. As a result of the use of the solution, the protein content in plants increases significantly due to the binding of non-protein nitrogen to sulfur. It is also an integral part of fatty acids, the use of HydroSulfur* in oilseed crops allows for an increased yield of oil. HydroSulfur* neutralizes nitrates in plants, turning them into protein, binds and neutralizes heavy metals, regulates pH in the soil. The solution is applicable to almost all types of plants: grains, vegetables, fruits, berries (except for gooseberries), flowers, decorative trees. Particularly

effective in the cultivation of grapes. In addition, HydroSulfur* is successfully used for the pretreatment of seeds of all crops. For the treatment of plants, an aqueous (working) solution of the product is used. The maximum concentration of the product in the working solution is only 2%. The concentration depends on the type of plants and for some species it amounts to only 0.5% (0.5l/100l). HydroSera can be used in combination with other fertilizers, at the same time it helps plants absorb those fertilizers, thus, decreasing their consumption and the cost of their acquisition by more than two times. The solution is environmentally friendly and is not a toxin. By the decision of the European Commission, calcium polysulfide is approved for use in organic farming on the territory of the European Union.

Our solution is a source of sulfur nanoparticles of 20 nm that are evenly distributed on the surface of the plant when applied to it, the small particle size allows them to penetrate into the smallest pores and fix themselves inside (see figure), nanoparticles are absorbed by the plant as needed, and at the same time the use of mineral fertilizers based on sulfur, such as ammonium sulfate, lies in the application of both to the soil and to plants through the leaf treatment, since the fertilizer is water soluble. When drying, crystals of ammonium sulfate can fall off the plant or, when it rains, get washed off the surface, and in such cases the use of ammonium sulfate is not always effective.

*trade and original name of the solution is HydroSera (ГидроСера russian name)

Plant cells under the microscope



untreated

treated

