

MANUFACTURER'S RECOMMENDATIONS FOR APPLICATION

SOIL CREATOR AridGrow® PHSC-C

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Powdered humic ameliorant-soil improver of a long-acting effect **SOIL CREATOR AridGrow® PHSC-C** is applied **ONLY ONE TIME** per 5-10 Years for creation, restoration and improving fertility of the desert, arid, exhausted and degraded soils in an environmentally safe manner at the molecular level.

It is used as a soil mixture of the product **1:20** (0,5 kg of concentrate per 10 kg of soil) for population or by spreading on the surface and mixing into a depth of roots of cultivated cultures for agriculture. It acts for a long period of time, accumulating moisture and significantly improving the agro-chemical and water-physical properties of the soils.

Depending on a degree of depletion or degradation of the soils, consumption of the product is increased or reduced. In the desert or arid soils application rates must be increased up to 2-3 times, but in regularly cultivated, arable soils application rates must be reduced by 2-3 times. The following table shows average level of consumption of the product for the regularly cultivated moderately fertile soils.

FOR ORNAMENTAL PLANTS

Culture	Method of Application	Qty	Application Rates		Application Results
			For Population	For Agriculture	
1. Indoor Plants and Flowers (potted)	Locally put into a pot and mix with a soil	1 Time	50 g per 1 kg	0,5 MT per 1 ha	Stimulates growth and development, accelerates and extends budding and abundant blooming, intensity and brightness of leaves and flowers, increases resistance to disease, wilt, heat and frost, formation of more new shoots, branches, buds, leaves & flowers, raises ornamental qualities
2. Outdoor Plants and Flowers (Roses etc.)	Locally put into the holes, rows or furrows and mix with a soil before planting	1 Time	0,5 kg per 1 m	1,5 MT per 1 ha	Stimulates growth and development, accelerates and extends budding and abundant blooming, intensity and brightness of leaves and flowers, increases resistance to disease, wilt, heat and frost, formation of more new shoots, branches, buds, leaves & flowers, raises ornamental qualities
3. Turf Grass	Spread on the surface of a soil and mix by cultivator into the depth of roots before planting	1 Time	1 kg per 1 m ²	5 MT per 1 ha	Improves seeds germination, resistance to disease, wilt, heat and frost, stimulates growth and development, raises intensity, brightness and ornamental qualities
4. Wood Trees Deciduous and Coniferous (Indoor & Outdoor)	Locally put into the holes, rows or furrows and mix with a soil before planting	1 Time	1 kg per 1 m	2,5 MT per 1 ha	Stimulates growth and development, accelerates and extends budding and abundant blooming, intensity and brightness of leaves and flowers, increases resistance to disease, wilt, heat and frost, raises ornamental qualities

FOR AGRICULTURAL USE

5. Winter crops rye and wheat, spring barley, oilseed rape, millet, triticale, buckwheat, mustard and etc.	Spread on the surface and mix by cultivator into the depth of roots before planting	1 Time	1 kg per 1 m ²	5 MT per 1 ha	Stimulates growth and development, raises numbers of wealthy sprouting and disease resistance, increases crop yielding capacity and reduces time of maturation, improves product quality
6. Rice	Locally put in gauze bags into the stream through which water enters the cell of a rice field	3 Times per 3 month	1 kg per 1 sell of a rice field	100 kg per 1 ha of a rice field	Stimulates growth and development, raises numbers of wealthy sprouting and disease resistance, increases crop yielding capacity and reduces time of maturation, improves product quality
7. Legumes: peas, beans, corn, broad beans and etc.	Spread on the surface and mix by cultivator into the depth of roots before planting	1 Time	1 kg per 1 m ²	5 MT per 1 ha	Stimulates growth and development, raises numbers of wealthy sprouting and disease resistance, increases crop yielding capacity and reduces time of maturation, improves product quality
8. Fiber Flax	Spread on the surface and mix by cultivator into the depth of roots before planting	1 Time	1 kg per 1 m ²	5 MT per 1 ha	Stimulates growth and development, raises numbers of wealthy sprouting and disease resistance, increases crop yielding capacity and reduces time of maturation, improves product quality
9. Perennial herb: clover, alfalfa, tea, cotton, bananas, and etc.	Spread on the surface and mix by cultivator into the depth of roots before planting	1 Time	1 kg per 1 m ²	5 MT per 1 ha	Stimulates growth and development, raises numbers of wealthy sprouting and disease resistance, increases crop yielding capacity and reduces time of maturation, improves product quality
10. Greenery: salad, cilantro, parsley, dill, fennel and etc.	Locally put into the holes, rows or furrows and mix with a soil before planting	1 Time	0,5 kg per 1 m	1,5 MT per 1 ha	Stimulates growth and development, raises numbers of wealthy sprouting and disease resistance, increases crop yielding capacity and reduces time of maturation, improves product quality
11. Onion, Garlic	Locally put into the holes, rows or furrows and mix with a soil before planting	1 Time	0,5 kg per 1 m	1,5 MT per 1 ha	Stimulates growth and development, raises numbers of wealthy sprouting and disease resistance, increases crop yielding capacity and reduces time of maturation, improves product quality
12. Wild strawberry, garden strawberry and etc.	Locally put into the holes, rows or furrows and mix with a soil before planting	1 Time	0,5 kg per 1 m	1,5 MT per 1 ha	Stimulates growth and development, raises numbers of wealthy sprouting and disease resistance, increases crop yielding capacity and reduces time of maturation, improves product quality

13. Potatoes	Locally put into the holes, rows or furrows and mix with a soil before planting	1 Time	1 kg per 1 m	2,5 MT per 1 ha	Stimulates growth and development, raises disease resistance, increases size and mass of tubers, yielding capacity, reduces time of maturation, improves product quality
14. Carrot, beetroot, sugar beet and etc.	Locally put into the holes, rows or furrows and mix with a soil before planting	1 Time	1 kg per 1 m	2,5 MT per 1 ha	Stimulates growth and development, raises disease resistance, increases size and mass of root crops, yielding capacity, reduces time of maturation, improves product quality
15. Melons: watermelon, cantaloupe, pumpkin and etc.	Locally put into the holes, rows or furrows and mix with a soil before planting	1 Time	1 kg per 1 m	2,5 MT per 1 ha	Stimulates growth and development, raises disease resistance, increases size and mass of melon crops, yielding capacity, reduces time of maturation, improves product quality
16. Cabbages	Locally put into the holes, rows or furrows and mix with a soil before planting	1 Time	1 kg per 1 m	2,5 MT per 1 ha	Stimulates growth and development, raises disease resistance, increases size and mass of cabbage heads, yielding capacity, reduces time of maturation, improves product quality
17. Solanaceae: eggplant, pepper, nightshade, chili and etc.	Locally put into the holes, rows or furrows and mix with a soil before planting	1 Time	1 kg per 1 m	2,5 MT per 1 ha	Stimulates growth and development, raises numbers of wealthy sprouting and disease resistance, increases size and mass of solanaceae crops, yielding capacity, reduces time of maturation, improves product quality
18. Tomatoes (indoor & outdoor)	Locally put into the holes, rows or furrows and mix with a soil before planting	1 Time	1 kg per 1 m	2,5 MT per 1 ha	Stimulates growth and development, raises numbers of wealthy sprouting and disease resistance, increases size and mass of tomatoes, yielding capacity, reduces time of maturation, improves product quality
19. Cucumbers (indoor & outdoor)	Locally put into the holes, rows or furrows and mix with a soil before planting	1 Time	1 kg per 1 m	2,5 MT per 1 ha	Stimulates growth and development, raises numbers of wealthy sprouting and disease resistance, increases size and mass of cucumbers, yielding capacity, reduces time of maturation, improves product quality
20. Currant, raspberries, blueberries, gooseberries, grapes and etc.	Locally put into holes, rows or furrows and mix with a soil before planting	1 Time	1 kg per 1 hole	2,5 MT per 1 ha	Stimulates growth and development, raises numbers of wealthy sprouting and disease resistance, increases size and mass of berries crops, yielding capacity, reduces time of maturation, improves product quality

21. Tea, cotton, bananas, tobacco and etc.	Locally put into the holes, rows or furrows and mix with a soil before planting	1 Time	2,5 kg per 1 m	2,5 MT per 1 ha	Stimulates growth and development, raises numbers of wealthy sprouting and disease resistance, increases size and mass of berries crops, yielding capacity, reduces time of maturation, improves product quality
22. Seedlings of Apple, Pear, Plum, Cherry, Citrus, Olives, Dates and etc.	Locally put into the holes, rows or furrows and mix with a soil before planting	1 Time	2,5 kg per 1 seedling	2,5 MT per 1 ha	Stimulates survival, growth and development, raises numbers of wealthy sprouting and disease resistance, increases size and mass of berries crops, yielding capacity, reduces time of maturation, improves product quality
23. Adult Apple, Pear, Plum, Cherry and etc.	Locally put into the soil around the root system	1 Time	5 kg per 1 tree	5 MT per 1 ha	Stimulates growth and development, raises numbers of wealthy sprouting and disease resistance, increases size and mass of berries crops, yielding capacity, reduces time of maturation, improves product quality
24. Adult Citrus, Olives, Date palms and etc. exotic	Locally put into the soil around the root system	1 Time	5 kg per 1 tree	5 MT per 1 ha	Stimulates growth and development, raises numbers of wealthy sprouting and disease resistance, increases size and mass of berries crops, yielding capacity, reduces time of maturation, improves product quality

