Arid Grow®

NOW YOU CAN GARDEN THE DESERT

NEW!

CUSTOMER SATISFACTION 100% GUARANTEED

LIQUID HUMIC CONCENTRATES FOR RESTORATION SOIL FERTILITY FOR ORGANIC FARMING

100% ORGANIC

SOIL CREATOR
AridGrow® PHSC-C
IN CONSUMER PACKAGING

SOIL ACTIVATOR
AridGrow® LHSA-C
IN INDUSTRIAL PACKAGING

THE BEST INNOVATIVE PRODUCT OF THE YEAR
by recognition of the Regional Office for Near East and North Africa of the FOOD & AGRICULTURE ORGANIZATION of the UNITED NATIONS (FAO)

SOIL ACTIVATOR AridGrow® LHSA-C CONCENTRATE 1:100

PROPERTIES:

- **Activates** agrophysical and agrochemical processes in the soils in an environmentally safe manner.
- **Powerful soil enhancer.** Improves soil fertility and its microbiological activity.
- **Promotes** hormonal and antioxidant activity, plants nutrient uptake.
- **Stimulates** root and plant growth, accelerates seed germination.
- **Increases mass** of plants and fruits, improves decorative properties of floral cultures.
- **Reduces soil salinization** and migratory mobility of contaminants in the ionic form and their movement to ground waters and a zone of moisture evaporation.
- **Actively forms** water-soluble connections with ions of polyvalent metals and radioactive nuclides that completely stop their migration from soils to plants.
- **Reduces** dependence on chemical applications and fertilizer requirements.
- **Raises plant resistance** to disease, heat and frost damage.
- **Does not contain** pathogenic microflora, seeds of weeds and genetically modified organisms.
- **Has no limitation on use** in soil management and **Organic Agriculture.**

APPLICATION:

- **Before its first original application, Soil Activator AridGrow® LHSA-C should be diluted** with the local freshened irrigating water **in a ratio 1:100** or simply pour 1 liter of concentrate into a 100-liter barrel of water, therefore it is created a highly nourishing and **READY-TO USE IRRIGATION SOLUTION AridGrow®**.
- **Use it 3 times with an interval of 14 days** by adding into irrigation water as a top dressing for any type of ornamental or agricultural plants in accordance with the necessary agrotechnical measures.
- **IRRIGATION SOLUTION AridGrow® is highly effective for both soil and plants**. Additional use of any other types of chemical, mineral or organic fertilizers is not required.
- **Consumption** of the concentrated **AridGrow® LHSA-C** is **1 liter**, diluted in 100 liters of water, **for 0,5 ha of soil or 5 adult trees or 10 shrubs** of an agricultural application (it depends on a type and size of a plant) **per ONE application .**

MANUFACTURER'S RECOMMENDATIONS FOR APPLICATION

SOIL ACTIVATOR AridGrow® LHSA-C

TR BY 490421644.009-2023

Liquid Humic Soil Conditioner of a long-term effect SOIL ACTIVATOR AridGrow® LHSA-C is **applied ONLY THREE TIMES per Year or One Harvest Season for activization of the soil recovery processes 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 water solution of the product 1:100 (1 liter of concentrate per 100 liters of water) for irrigation, watering or spraying as for population, so for agriculture. It acts for a long period of time 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)	1. Watering in a phase of active growth every 14 days	3 Times	10 ml per 1,0 l of water per 10 plants	3 l per 300 l of water per 1 ha	Stimulates growth and development, accelerates and extends budding and abundant blooming, intensity and brightness of leaves and flowers
	2. Spraying* at the first signs of disease or decay	1 Time	5 ml per 0,5 l of water per 10 plants	2 l per 200 l of water per 1 ha	Increases resistance to disease and wilt, raises ornamental qualities and formation of more new shoots, branches, buds, leaves & flowers
2. Outdoor Plants and Flowers (Roses etc.)	1. Watering in the wake of kidneys, phase of active growth and buds every 14 days	3 Times	20 ml per 2,0 l of water per 10 plants	3 l per 300 l of water per 1 ha	Stimulates growth and development, accelerates and extends budding and abundant blooming, intensity and brightness of leaves and flowers
	2. Spraying* at the first signs of disease or decay	1 Time	10 ml Per 1,0 l of water per 10 plants	2 l per 200 l of water per 1 ha	Increases resistance to disease, wilt, heat and frost, raises formation of more new shoots, branches, buds, leaves & flowers and ornamental qualities
3. Turf Grass	1. Soaking the seeds before planting for 24 hours	1 Time	50 ml per 5,0 l of water per 10 kg of seeds	0,5 l per 50 l of water per 1 MT of seeds	Improves seeds germination, stimulates growth and development, disease resistance
	2. Watering in the early spring every 14 days	3 Times	0,5 l per 50 l of water per 100 м²	3 l per 300 l of water per 1 ha	Improves ornamental qualities and brightness, increases resistance to disease and wilt
4. Wood Trees Deciduous and Coniferous (Indoor & Outdoor)	Watering in a root zone immediately after replanting and then every 14 days	3 Times	1,0 l per 100 l of water per 10 nursery transplants	10 l per 1 t of water per 50 nursery transplants	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

FOR AGRICULTURAL USE

Culture	Method of Application	Qty	Application Rates		Application Results
			For Population	For Agriculture	
5. Winter crops rye and wheat, spring barley, oilseed rape, millet, triticale, buckwheat, mustard and etc.	1. Seed treatment, together with protectants	1 Time	50 ml per 5 l of water per 10 kg of seeds	0,5 l per 50 l of water per 1 MT of seeds	Improves seeds germination, stimulates growth and development, raises numbers of wealthy sprouting and disease resistance
	2. Spraying* in the phase of tillering and tubing every 14 days	3 Times	50 ml per 5 l of water per 10 м²	2 l per 200 l of water per 1 ha	Increases crop yielding capacity and reduces time of maturation, improves product quality
6. Legumes: peas, beans, corn, broad beans and etc.	1. Seed treatment, together with protectants	1 Time	50 ml per 5 l of water per 10 kg of seeds	0,5 l per 50 l of water per 1 MT of seeds	Improves seeds germination, stimulates growth and development, raises numbers of wealthy sprouting and disease resistance
	2. Spraying* in the phase of tillering and tubing every 14 days	3 Times	50 ml per 5 l of water per 10 м²	2 l per 200 l of water per 1 ha	Increases crop yielding capacity and reduces time of maturation, improves product quality
7. Fiber Flax	1. Spraying* in the phase of "fir tree"	1 Time	50 ml per 5 l of water per 10 м²	2 l per 200 l of water per 1 ha	Improves seeds germination, stimulates growth and development, raises numbers of wealthy sprouting and disease resistance
	2. Spraying* in the phase of budding	2 Times	50 ml per 5 l of water per 10 м²	2 l per 200 l of water per 1 ha	Increases crop yielding capacity and reduces time of maturation, improves product quality
8. Perennial herb: clover, alfalfa, tea, cotton, bananas, and etc.	Spraying in early spring every 14 days and after each harvesting	3 Times	50 ml per 5 l of water per 10 м²	2 l per 200 l of water per 1 ha	Increases productivity, crop yielding capacity and reduces time of maturation, improves product quality
9. Greenery: salad, cilantro, parsley, dill, fennel and etc.	Spraying* in the phase of growing season every 14 days	3 Times	50 ml per 5 l of water per 10 м²	2 l per 200 l of water per 1 ha	Increases productivity, crop yielding capacity and reduces time of maturation, improves product quality
10. Onion, Garlic	1. Soaking the seeds before planting for 24 hours	1 Time	50 ml per 5 l of water per 10 kg	2 l per 200 l of water per 1 MT of seeds	Improves seeds germination, stimulates growth and development, raises numbers of wealthy sprouting and disease resistance
	2. Spraying* in the phase of active growth every 14 days	3 Times	50 ml per 5 l of water per 10 м²	2 l per 200 l of water per 1 ha	Increases productivity, crop yielding capacity and reduces time of maturation, improves product quality
11. Wild strawberry, garden strawberry and etc.	Watering in 2 weeks after planting and then every 14 days after each harvesting	3 Times	50 ml per 5 l of water per 10 м²	2 l per 200 l of water per 1 ha	Stimulates growth and development, increases productivity, crop yielding capacity and reduces time of maturation, resistance to disease and wilt, heat and frost, improves product quality

Culture	Method of Application	Qty	Application Rates		Application Results
			For Population	For Agriculture	
12. Potatoes	1. Soaking the tubers before planting	1 Time	100 ml Per 10 l of water per 100 kg of tubers	1 l per 100 l of water per 1 MT of tubers	Stimulates growth and development of tubers, raises numbers of wealthy sprouting and disease resistance
	2. Spraying* when full sprouting and in a phase of budding	3 Times	50 ml per 5 l of water per 10 м²	2 l per 200 l of water per 1 ha	Increases size and mass of tubers, yielding capacity, reduces time of maturation, improves product quality
13. Carrot, beetroot, sugar beet and etc.	1. Soaking the seeds before planting for 24 hours	1 Time	50 ml per 5 l of water per 10 kg of seeds	0,5 l per 50 l of water per 1 MT of seeds	Stimulates growth and development of seeds, raises numbers of wealthy sprouting and disease resistance
	2. Spraying* of vegetating plants in a phase of full sprouting	3 Times	50 ml per 5 l of water per 10 м²	2 l per 200 l of water per 1 ha	Increases size and mass of root crops, yielding capacity, reduces time of maturation, improves product quality
14. Melons: watermelon, cantaloupe, pumpkin and etc.	1. Soaking the seeds before planting for 24 hours	1 Time	50 ml per 5 l of water per 10 kg of seeds	0,5 l per 50 l of water per 1 MT of seeds	Improves seeds germination, stimulates growth and development, raises numbers of wealthy sprouting and disease resistance
	2. Spraying* of vegetating plants in a phase of full sprouting	3 Times	50 ml per 5 l of water per 10 м²	2 l per 200 l of water per 1 ha	Increases size and mass of melon crops, yielding capacity, reduces time of maturation, improves product quality
15. Cabbages	1. Soaking the roots of seedlings into a "mash" of 1% solution & clay	1 Time	100 ml per 10 l of «mash»	1 l per 100 l of «mash»	Improves growth and development of seedlings, raises numbers of wealthy sprouting and disease resistance
	2. Spraying* Seedlings in the phase of 2-3 leaves and 1 week before planting	2 Times	50 ml per 5 l of water per 10 м²	2 l per 200 l of water per 1 ha	Stimulates rooting and survival rates
	3. Spraying* after planting and in a phase of cabbage head forming every 14 days	3 Times	50 ml per 5 l of water per 10 м²	2 l per 200 l of water per 1 ha	Increases size and mass of cabbage heads, yielding capacity, reduces time of maturation, improves product quality
16. Solanaceae: eggplant, pepper, nightshade, chili and etc.	1. Soaking the seeds before planting for 24 hours	1 Time	50 ml per 5 l of water per 10 kg of seeds	0,5 l per 50 l of water per 1 MT of seeds	Improves seeds germination, stimulates growth and development, raises numbers of wealthy sprouting and disease resistance
	2. Spraying* of vegetating plants in a phase of full sprouting	3 Times	50 ml per 5 l of water per 10 м²	2 l per 200 l of water per 1 ha	Increases size and mass of solanaceae crops, yielding capacity, reduces time of maturation, improves product quality

Culture	Method of Application	Qty	Application Rates		Application Results
			For Population	For Agriculture	
17. Tomatoes (indoor & outdoor)	1. Soaking the seeds before planting for 24 hours	1 Time	50 ml per 5 l of water per 10 kg of seeds	2 l per 200 l of water per 1 MT of seeds	Improves seeds germination, raises numbers of wealthy sprouting and disease resistance
	2. Watering seedlings in 3-4 days after pricking, and in 7 days before transplanting into the soil	2 Times	50 ml per 5 l of water per 10 м²	2 l per 200 l of water per 1 ha	Stimulates growth and development, raises numbers of wealthy sprouting and disease resistance
	3. Watering in a root zone in 7 days after replanting, in a phase of budding, blooming and then every 14 days before harvesting	3 Times	50 ml per 5 l of water per 10 м²	5 l per 500 l of water per 1 ha	Increases size and mass of fruits, yielding capacity, reduces time of maturation, improves product quality
18. Cucumbers (indoor & outdoor)	1. Soaking the seeds before planting for 24 hours	1 Time	50 ml per 5 l of water per 10 kg of seeds	0,5 l per 50 l of water per 1 MT of seeds	Improves seeds germination, raises numbers of wealthy sprouting and disease resistance
	2. Watering in a root zone in a phase of 1-2 & 3-4 real leaves and every 14 days before harvesting	3 Times	50 ml per 5 l of water per 10 м²	3 l per 300 l of water per 1 ha	Stimulates growth and development, increases size and mass of fruits, yielding capacity, reduces time of maturation, improves product quality
	3. Spraying at the first signs of disease or decay every 14 days	2 Times	50 ml per 5 l of water per 10 м²	2 l per 200 l of water per 1 ha	Increases resistance to disease and wilt, improves product quality
19. Currant, raspberries, blueberries, gooseberries, grapes and etc.	Watering in a phase of bud burst and active growth every 14 days	3 Times	1 l per 100 l of water per 10 bushes	5 l per 500 l of water per 100 bushes	Stimulates growth and development, increases resistance to disease, wilt, heat & frost, increases size and mass of berries, yielding capacity, reduces time of maturation, improves product quality
20. Apple, pear, plum, cherries, citrus fruits, olives, date palms and etc. (adult fruit trees)	Watering in a root zone immediately after replanting and then every 14 days	3 Times	1 l per 100 l of water per 10 nursery transplants	10 l per 1 t of water per 100 trees	Stimulates growth and development, increases resistance to disease, wilt, heat & frost, increases size and mass of fruits, yielding capacity, reduces time of maturation, improves product quality

*ATTENTION: WHEN SPRAYING AVOID DIRECT CONTACT OF THE PRODUCT WITH FLOWERS OR DO NOT SPRAY INTO THE BLOOMING FLOWERS!

DO NOT FORGET POWDERED CREATOR AridGrow® PHSC-C !

PROPERTIES:

- **Creates soil structure** in an environmentally safe manner.
- **Enriches soil** with natural organic ingredients, humus, humic acids, nutrients, etc.
- **Restore** and maintains long-term soil fertility and its microbiological activity.
- **Losses** of an organic substance due to it mineralization in an ameliorated sandy soil at cultivation row-crop cultures during 5 years take 30-35%, that in 2,5 times less, than at use of any organic fertilizers.
- **Reduces soil salinization** and has high stability to microbiological and oxidizing destruction.
- **Considerably reduces** receipt of heavy metals and radioactive nuclides in plants.
- **Interferes** with soil crust formation and reduces unproductive moisture losses on physical evaporation and infiltration.
- **Accumulates and keeps moisture** in 20 times more than it weight.
- **Raises plant resistance** to disease, heat and frost damage.
- **Does not contain** pathogenic microflora, seeds of weeds and genetically modified organisms.
- **Has no limitation on use** in soil management and **Organic Agriculture.**

APPLICATION:

- **Before its first original application, Soil Creator AridGrow® PHSC-C should be mixed** with a well-sifted (through a project strainer with a cell <10 mm) local soil in a **ratio 1:20** (it depends on a type of the soil) **with addition of the 100 liters for 1 cubic meter** of a mixture ready-to-use liquid IRRIGATION SOLUTION AridGrow®. In result it is created a **READY-TO-USE SOIL MIXTURE AridGrow®.**
- For example: 25kg of the **AridGrow® PHSC-C** is necessary to mix with 1 cubic meter of the well-sifted local soil with addition of the 100 liters of the ready-to-use liquid **IRRIGATION SOLUTION AridGrow®**.
- Put down **SOIL MIXTURE AridGrow®** around the roots in the hollow with a fixed tree or a shrub or mix it with the soil surface into the depth of roots of any cultivated plants manually or by using an ordinary agricultural cultivator and water with **IRRIGATION SOLUTION AridGrow®** as necessary. All subsequent agrotechnical measures are carried out using standard regulations for cultivation of a grown culture.
- **Consumption** of the concentrated **Soil Creator AridGrow® PHSC-C** is **25kg for 25 sq.m.** of the restoring soil **or 5 planted trees or 10 shrubs** of an agricultural application (it depends on a type and size of a plant) **for 5-10 YEARS.**

Arid GARDEN THE DESERT
NOW YOU CAN Grow®

Dear Customers !

We are very glad to present You an innovative novelty - Desert Gardening Technology AridGrow® and its Products !

AridGrow® Products are Powdered & Liquid Soil Conditioners of a Long-Term Effect and highly concentrated Natural Products, processed from Peat & Sapropel Mixture by special **AridGrow® Technology** with the purpose of modifying its physical and chemical properties and qualities for consumer demands and designed to restore depleted and degraded soils, disturbed by human activities and increase their fertility, best for desertification areas by reducing unproductive losses of soil moisture by evaporation and seepage and excellent for environmentally pure and safe crop production. **Powerful soil enhancers. Improves soil fertility and its microbiological activity.** Universal means for activization of the agrophysical and agrochemical processes in the soils and extirpation with their salinization. Good way for domestication and gardening of the arid and exhausted territories in environmentally safe way.

AridGrow® Products are intended to be used in ORGANIC FARMING for any indoor & outdoor decorative plants & flowers, for greening construction, road fences, sport fields & golf courses, for fruits & vegetables gardening, crops cultivation and etc.

SOIL CREATOR
AridGrow® PHSC-C
in 25kg/50L PP bag with HDPE line

SOIL ACTIVATOR
AridGrow® LHSA-C
in 1000L HDPE Eurocube

AridGrow® Products are developed by the **Institute for Nature Management of the National Academy of Sciences of Belarus** with scientific-technical support of the **UK scientific-research company «AridGrow Laboratories»** and passed successful comprehensive tests during 15 years in the Middle East. Recommended to use by the Ministry of Natural Resources and Environmental Protection of the Republic of Belarus and the Regional Office for the Near East and North Africa of the Food and Agriculture Organization of the United Nations.

CERTIFIED IN EUROPEAN UNION FOR ORGANIC FARMING.

Made in Belarus by Belarus-UK joint venture **«AridGrow Production JLLC»** under the license and control of the **UK scientific-research company «AridGrow Laboratories».**

For Buying AridGrow® Products contact, please:
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