MANUFACTURER'S RECOMMENDATIONS FOR APPLICATION

SOIL ACTIVATOR AridGrow[®] LHSA-C

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Liquid humic ameliorant-soil improver of a long-acting 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 agrochemical 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.

Culture	Mathedat		Applicati	on Rates	Application Results		
	Method of	Ot -1	For	For			
	Application	Qty	Population	Agriculture			
1. Indoor Plants and Flowers (potted)	1. Watering		10 ml	51	Stimulates growth and develop-		
	in a phase of active	3	per 1,0	per 500 l	ment, accelerates and extends		
	growth every	Times	of water	of water	budding and abundant blooming,		
	14 days		per	per 1 ha	intensity and brightness of		
			10 plants		leaves and flowers		
			5 ml	2,5 I	Increases resistance to disease		
	2. Spraying*	1	per 0,5 l	per 250 l	and wilt, raises ornamental		
	at the first signs	Time	of water	of water	qualities and formation of more		
	of disease or decay		per	per 1 ha	new shoots, branches, buds,		
			10 plants		leaves & flowers		
2. Outdoor Plants and Flowers (Roses etc.)	1. Watering in the		20 ml	51	Stimulates growth and develop-		
	wake of kidneys,	3	per 2,0 l	per 500 l	ment, accelerates and extends		
	phase of active	Times	of water	of water	budding and abundant blooming,		
	growth and buds		per	per 1 ha	intensity and brightness of		
	every 14 days		10 plants		leaves and flowers		
			10 ml	2,5	Increases resistance to disease,		
	2. Spraying*	1	Per 1,0 of	per 250 l	wilt, heat and frost, raises		
	at the first signs	Time	water	of water	formation of more new shoots,		
	of disease or decay		per	per 1 ha	branches, buds, leaves & flowers		
			10 plants		and ornamental qualities		
	1. Soaking the		50 ml	51	Improves seeds germination,		
	seeds before	1	per 5,0 l of	per 500 l of	stimulates growth and develop-		
3. Turf Grass	planting for	Time	water per 10	water per 1	ment, disease resistance		
	24 hours		kg of seeds	MT of seeds			
	2. Watering in the		0,5 l per	51	Improves ornamental qualities		
	early spring	3	50 l of	per 500 l	and brightness, increases		
	every 14 days	Times	water	of water	resistance to disease and wilt		
			per 100 m²	per 1 ha			
			1,0 I	10 I	Stimulates growth and develop-		
4. Wood Trees	Watering		per 100 l	per 1 t of	ment, accelerates and extends		
Deciduous and	in a root zone	3	of water	water	budding and abundant blooming,		
Coniferous	immediately after	Times	per 10	per 100	intensity and brightness of		
(Indoor & Outdoor)	replanting and then		nursery	nursery	leaves and flowers, increases		
	every 14 days		transplants	transplants	resistance to disease wilt, heat and frost		

FOR ORNAMENTAL PLANTS

		FOR A	GRICULTURAL	USE	
	1. Seed		50 ml	0,5 l	Improves seeds germination,
5. Winter crops	treatment,	1	per 5 of	per 50 l of	stimulates growth and develop-
rye and wheat,	together with	Time	water per 10	water per 1	ment, raises numbers of wealthy
spring barley,	protectants		kg of seeds	MT of seeds	sprouting and disease resistance
oilseed rape, millet,	Spraying*		50 ml	51	Increases crop yielding capacity
triticale, buckwheat,	in the phase of	3	per 5 of	per 500 l of	and reduces time of maturation,
mustard	tillering and tubing	Times	water	water	improves product quality
and etc.	every 14 days		per 10 m²	per 1 ha	
	1. Seed		50 ml	0,5	Improves seeds germination,
	treatment,	1	per 5 of	per 50 l of	stimulates growth and develop-
6. Legumes: peas,	together with	Time	water per 10	water per 1	ment, raises numbers of wealthy
beans, corn, broad	protectants		kg of seeds	MT of seeds	sprouting and disease resistance
beans	2. Spraying*		50 ml	51	Increases crop yielding capacity
and etc.	in the phase of	3	per 5 of	per 500 l	and reduces time of maturation,
	tillering and tubing	Times	water	, of water	improves product quality
	every 14 days		per 10 m²	per 1 ha	
	1. Spraying*		50 ml	51	Improves seeds germination,
	in the phase	1	per 5 l	per 500 l of	stimulates growth and develop-
	of "fir tree"	Time	of water	water	ment, raises numbers of wealthy
7. Fiber Flax			per 10 m ²	per 1 ha	sprouting and disease resistance
	2. Spraying*		50 ml	51	Increases crop yielding capacity
	in the phase	2	per 5 l	per 500 l of	and reduces time of maturation,
	of budding	Times	of water	water	improves product quality
	o, budding		per 10 m ²	per 1 ha	
	Spraying		Pe: 20 m	P	Increases productivity,
8. Perennial herb:	in early spring		50 ml	51	crop yielding capacity and
clover, alfalfa, tea,	every 14 days and	3	per 5 l	per 500 l	reduces time of maturation,
cotton, bananas, and	after each	Times	of water	of water	improves product quality
etc.	harvesting	111163	per 10 m²	per 1 ha	mproves product quarry
	Spraying*		50 ml	51	Increases productivity,
9. Greenery: salad,	in the phase	3	per 5 l	per 500 l	crop yielding capacity and
cilantro, parsley,	of growing season	Times	of water	of water	reduces time of maturation,
dill, fennel and etc.	every 14 days	TIMES	per 10 m ²	per 1 ha	improves product quality
un, jenner und erc.	, ,		•		
10. Onion, Garlic	1. Soaking the	4	50 ml	51	Improves seeds germination,
	seeds before	1	per 5 l	per 500 l of	stimulates growth and develop-
	planting for	Time	of water	water per 1	ment, raises numbers of wealthy
	24 hours		per 10 kg	MT of seeds	sprouting and disease resistance
	2. Spraying*		50 ml	51	Increases productivity,
	in the phase	3	per 5 l	per 500 l of	crop yielding capacity and
	of active growth	Times	of water	water	reduces time of maturation,
	every 14 days		per 10 m²	per 1 ha	improves product quality
					Stimulates growth and develop-
11. Wild strawberry,	Watering		50 ml	51	ment, increases productivity,
garden strawberry	in 2 weeks after	3	per 5 l of	per 500 l of	crop yielding capacity and
and etc.	planting and then	Times	water	water	reduces time of maturation,
	every 14 days after		per 10 m ²	per 1 ha	resistance to disease and wilt,
	each harvesting		PC/ 10 ///	P0/ 1/10	heat and frost,
	Cuch har voorning				improves product quality
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	1. Soaking		100 ml	1	Stimulates growth and develop-				50 ml	51	
12. Potatoes 13. Carrot,	the tubers	1		Per 10 per 100 of water of water	ment of tubers, raises numbers of wealthy sprouting and disease resistance		1. Soaking the seeds	1	per 5 l	per 500 l of	Improves seeds germination,
	before planting	Time					before planting for	Time	of water per	water	raises numbers of wealthy
	ber or e planning	TIME	per 100 kg				24 hours		10 kg	per 1 MT	sprouting and disease resistance
			of tubers	of tubers	resistance				5	of seeds	spi outing and disease resistance
	2 Chan in at				There are also and made of		2.14.1		of seeds	ot seeds	
	 2. Spraying* when full sprouting and in a phase of budding 1. Soaking the seeds before planting for 	3 Times 1 Time	50 ml 5 l per 5 l per 500 l of water of water per 10 m² per 1 ha 50 ml 0,5 l per 5 l per 50 l	Increases size and mass of tubers, yielding capacity,		2. Watering	2	FO 1		Stimulates growth and develop-	
						seedlings in 3-4		50 ml	51		
				per 1 ha 0,5 l	reduces time of maturation, improves product quality Stimulates growth and develop-	17. Tomatoes	days after pricking,	• •	es per 5 l of water per 10 m²	per 500 of water per 1 ha	ment, raises numbers of wealthy sprouting and disease resistance
							and in 7 days before transplanting into				
				per 50 l	ment of seeds, raises numbers	(indoor & outdoor)	the soil				
			of water	of water	of wealthy sprouting and		3. Watering				
eetroot,	24 hours		per 10 kg	per 1 MT	disease resistance		in a root zone				
ugar beet			of seeds	of seeds			in 7 days after		50 ml	51	Increases size and mass of
and etc.	2. Spraying* of vegetating		50 ml	51	Increases size and mass of root crops, yielding capacity,		replanting, in a 3 phase of budding, Times	per 5 l	per 500 l	fruits, yielding capacity,	
		3	per 5 l	per 500 l				Times	of water	of water	reduces time of maturation,
	plants in a phase	Times	, of water	, of water	reduces time of maturation,		blooming and then		per 10 m²	per 1 ha	improves product quality
	of full sprouting		per 10 m ²	per 1 ha	improves product quality		every 14 days			·	
	1. Soaking the		50 ml	0,51	Improves seeds germination,		before harvesting				
	seeds before	e 1 Time	per 5	0,51 per 50 l	stimulates growth and develop-		1. Soaking the seeds	seeds 1	50 ml	0,5	
14. Melons: watermelon, cantaloupe, pumpkin and etc.	planting for		of water	of water	ment, raises numbers of wealthy	18. Cucumbers (indoor & outdoor)			per 5 l	0,51 per 50 l	Improves seeds germination,
			-		sprouting and disease resistance				•	•	
	24 hours		per 10 kg	per 1 MT			before planting for		of water	of water	raises numbers of wealthy
			of seeds	of seeds			24 hours		per 10 kg	per 1 MT	sprouting and disease resistance
	2. Spraying*		50 ml	51	Increases size and mass of				of seeds	of seeds	
	of vegetating	3 Times	per 5 l	per 500 l	melon crops, yielding capacity, reduces time of maturation, improves product quality		2. Watering				
	plants in a phase		of water	of water			in a root zone in a		50 ml	51	Stimulates growth and develop-
	of full sprouting		per 10 m²	per 1 ha			phase of 1-2 & 3-4	3	per 5 l	per 500 l	ment, increases size and mass
	1. Soaking the		100 ml	1	Improves growth and		real leaves and	Times	of water	of water	of fruits, yielding capacity,
	roots of seedlings	1	per 10 l	per 10 per 100	development of seedlings, raises numbers of wealthy		every 14 days		per 10 m²	per 1 ha	reduces time of maturation,
	into a "mash" of	Time	of «mash»	of «mash»			before harvesting				improves product quality
	1% solution & clay			sprouting and disease resistance		3. Spraying*		50 ml	51		
	2. Spraying*		50 ml	50 ml 5 l			at the first signs	2	per 5 l	per 500 l	Increases resistance to disease
	Seedlings in the	2	2 per 51 per 500 l	Stimulates rooting		of disease or decay	Times	of water	of water	and wilt, improves product quality	
	phase of 2-3 leaves	Times	, of water	of water	and survival rates		every 14 days		per 10 m ²	per 1 ha	····· ···· · ···· · ··· · · · · · · ·
ō. Cabbages	and 1 week before		per 10 m²	per 1 ha					po: 10 m	pe:	Stimulates growth and develop-
5	planting		F	F		19. Currant,	Watering		11	51	ment, increases resistance to
	3. Spraying*		50 ml	51	Increases size and mass of	raspberries,	in a phase of bud	3	per 100 l	per 500 l	disease, wilt, heat & frost,
	after planting and in	3	per 5 l		cabbage heads, yielding capacity, reduces time of maturation,	blueberries,	burst and active growth	5 Times	of water	of water	increases size and mass
	a phase of cabbage	Times	of water	of water							
	head forming		per 10 m ²		improves product quality	gooseberries,			per 10	per 100	of berries, yielding capacity,
	every 14 days		per 10 M	perina	mproves product quarry	grapes and etc.	every 14 days		bushes	bushes	reduces time of maturation,
			EQ.usl		Turner and a construction						improves product quality
16. Solanaceae: eggplant, pepper,	1. Soaking the		50 ml	0,51	Improves seeds germination, stimulates growth and develop- ment, raises numbers of wealthy	20. Apple, pear, plum, cherries, citrus fruits, olives,			1		Stimulates growth and develop-
	seeds before 1 planting for Time 24 hours	1	1 per 5 l	per 50 l			Watering in a root zone immediately after	3 Times	per 100 l	50 l	ment, increases resistance to
		Time	of water						of water	per 5 t	disease, wilt, heat & frost,
			per 10 kg	per 1 MT	sprouting and disease resistance				per 10	of water	increases size and mass
ghtshade, chili			of seeds	of seeds		date palms and etc.	replanting and then		nursery	per 100	of fruits, yielding capacity,
and etc.	Spraying*		50 ml	51	Increases size and mass of	(adult fruit trees)	every 14 days		transplants	trees	reduces time of maturation,
	of vegetating	3	per 5 l	per 500 l	solanaceae crops, yielding						improves product quality
	plants in a phase	Times	of water	of water	capacity, reduces time of		L				
	pianis in a phase										
	of full sprouting		per 10 m²	per 1 ha	maturation, improves product				TRECT CONT		RODUCT WITH FLOWERS