

QULTIVO concentrate Organo-mineral liquid fertilizer

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Fertiliser Application and Storage Manual

SCOPE OF APPLICATION

“QULTIVO koncentrat” is an organic and mineral fertiliser containing humus compounds, amino acids and necessary micro- and macrolelements. It is recommended for use in small- and large-area crops of agricultural, fruit, vegetable and ornamental plants, on field and under covers, on all types of soils. It can also be applied to lawns. Its soil-applied effect consists in the increasing of the soil water and sorption capacity and providing plants with necessary nutritional components. In case of foliar application, the fertiliser has an effect of improving the nutrition of plants with macro- and microelements, especially under stress conditions and of abiotic nature. The “QULTIVO koncentrat” fertiliser is used to improve the growth and yielding of plants as well as the yield quality. It shortens the duration of processing of plant residues after harvesting and transforms them into accessible forms of nutritional components for plants

DOSES, TIMEFRAME AND APPLICATION

AGRICULTURAL PLANTS

Soil application

1. timeframe – autumn, after harvests, before using post-harvest or pre-sowing cropping.

The amount of fertiliser applied per 1 ha depends on the amount of the post-harvest plant residues. Use 1 litre of fertiliser per each ton of post-harvest residues. Working liquid expenditure - 200 liters/ha.

If, after the harvest, 1 hectare of field contains:

- 1 ton of plant residue, use 1 litre of fertiliser per 200 litres of water per 1 ha.
- 2 tons of plant residue, use 2 litres of fertiliser per 200 litres of water per 1 ha.
- 3 tons of plant residue, use 3 litres of fertiliser per 200 litres of water per 1 ha.
- 10 tons of plant residue, use 10 litres of fertiliser per 200 litres of water per 1 ha.

It is recommended to add 10 kg of urea per 1 ton of residue to the resultant mixture

Distribute the fertiliser on the soil surface by means of a sprayer or a cesspool emptier. It is recommended to carry out the above operation immediately after rain falls. If there are no rainfalls, it is purposeful to increase the amount of water to 400 litres per 1 ha.

2. Timeframe - early spring

Up to 20 days before sowing/planting of plants depending on the soil quality, use 1 to 5 litres of fertiliser diluted in 200 litres of water.

Foliar application by spraying

Dilute the fertiliser in the amount from 0.5 litre in an appropriate amount of water adapted to the plant crop (table). The intervals between sprayings should be 14 days. Carry out the sprayings when the air temperature is 5-25°C. It is recommended to carry out the sprayings the morning or evening when the wind force is small.

QULTIVO FERTILISER APPLICATION METHOD OR GROUP OF PLANTS		FERTILISER DOSE	Number of treatments	Amount of water (l/ha)
Soil-applied in autumn	After harvests in order to properly decompose the plant residues left on the field	Depending on the biomass left on the field - 1 litre of fertiliser per 1 ton of residues	1	200
Soil-applied in spring	Soil activation, recultivation	2 litres / ha	1	250
Grains	Foliar sprayings	1 litre / ha	1 - 3	200 - 250

TREATMENT OF SEEDS AND SEEDLINGS

Seeds

dilute 1 litre of fertiliser in 10 litres of water and spray 1 ton of seeds or soak for 30-60 minutes, then dry up and sow

Seedlings

dilute 0,25 litre of fertiliser in 15 litres of water, soak seedling roots for 6 hours

FRUIT PLANTS

Soil-applied fertilisation

Before planting of plants:

3-4 weeks before planting of trees/bushes, use the water-diluted 0.5% fertiliser concentrate. Pour the solution evenly over the entire soil surface or over 1-1.5 m wide strips in which the plants will be planted, using 2 liters of the fertiliser concentrate per ha and fill up with water to 400 liters (20 ml of fertiliser filled up to 4 liters of water per 10 m²). Then mix it with the surface layer of the soil to a depth of about 10 cm. .

In orchards/plantations:

In early spring, before vegetation starts, pour a 0.5% fertiliser solution around trees/bushes or in 1-15.5 m wide strips along rows of plants. Use 2 liters of fertiliser per 1 ha, filled up with water to 400 liters (20 ml of fertiliser filled up to 4 liters of water per 10 m²).

Foliar fertilisation

Orchards/plantations:

Carry out sprayings 3-4 times during a season, starting in the bud swelling/bursting phase and then in the pink/white bud phase, immediately after blooming and 3-4 weeks after the fall of flower petals, in a dose of 1 liter of fertiliser per ha, using 400 liters of water. Do the sprayings especially in stress conditions.

ORNAMENTAL PLANTS

Before planting of plants in soil:

In early spring, about 3-5 days before planting of plants, distribute the fertiliser evenly over the soil surface at planting spots with a 0.5 % concentration, using 2 litres of the Qultivo concentrate per 400 liters of water per 1 ha (20 ml of fertiliser filled up to 4 liters of water per 10 m²). Then mix it to a depth of about 10 cm

Topdressing fertilisation

Plants grown in soil:

Young plants or plants with weak growth and sensitive plants should be fertilised with a 0.25 % Qultivo concentrate solution, using 1 liter of the Qultivo concentrate per 400 liters of water per

1 ha (10 ml of fertiliser filled up to 4 liters of water per 10 m²). Older plants or plants with intense growth and sensitive plants should be fertilised with a 0.25 % Qultivo concentrate solution, using 2 liters of the Qultivo concentrate per 400 liters of water per 1 ha (20 ml of fertiliser filled up to 4 liters of water per 10 m²).

Water plants with the prepared solution up to 3 times during the vegetative season, starting after the first buds or leaves occur, then before blooming and after blooming.

Pot and balcony plants:

During the period from April to October with intervals of 14-21 days, depending on the requirements of plants, water the plants with a 0.2-0.3% fertiliser solution (2-3 ml per 1 liter of water). In the winter season, the home plants should be fertilised once a month with a 0.25% fertiliser solution (2.5 ml per 1 liter of water).

Foliar application

In the vegetative growth phase, apply a 0.25 % solution - 2.5 ml of the Qultivo concentrate per 1 liter of water by spraying 3-4 times per season, especially in (stress) conditions limiting the growth of plants.

LAWNS

Before establishing a lawn

In early spring or autumn, about 3-5 days before establishing a lawn, distribute the fertiliser evenly over the soil surface with a 0.5% concentration, using 2 liters of the Qultivo concentrate per 400 liters of water per 1 ha (20 ml of fertiliser filled up to 4 liters of water per 10 m²). Then mix it to a depth of about 10 cm, make even and sow grass.

Topdressing fertilisation

During the period from April to October, use a 0.5% concentration fertiliser, using 2 liters of the Qultivo concentrate per 400 liters of water per 1 ha (20 ml of fertiliser filled up to 4 liters of water per 10 m²), once a month.

It is best to apply a Qultivo concentrate solution after rain. If it is dry and it has not rained for a long time, water the lawn first and then apply the Qultivo concentrate solution.

Foliar fertilisation

During the vegetative growth period, apply 3-4 times in a season by spraying a 0.25 % concentration solution, using 0.5 litre of the Qultivo concentrate per 200 liters of water per 1 ha (5 ml of fertiliser filled up to 2 liters of water per 10 m²).

VEGETABLE PLANTS

Before growing in soil

In early spring, about 5-10 days before sowing seeds/planting of vegetable seedlings, distribute the fertiliser evenly over the soil surface with a 0,5% concentration:

- for large-scale, crops 2 liters of the Qultivo concentrate per 400 liters of water per 1 ha,
- for small-scale crops, using about 20 litres of solution per an area of 10 m² - 100 ml of the Qultivo concentrate per 20 liters of water and mix it with soil to a depth of about 10 cm

Topdressing fertilisation

Vegetables grown in soil:

Carry out the first plant fertilisation treatments (after sprouting, after the development of first true leaves and after rooting of the seedlings) with a 0.25% concentration fertiliser:

- for large-scale crops 0.5 litres of the Qultivo concentrate per 200 liters of water per 1 ha,
- for small-scale crops, using about 20 liters of solution per an area of 10 m² - 50 ml of the Qultivo concentrate per 20 liters of water.

Fertilise older and more intensely growing plants with a 0.5% concentration solution:

- for large-scale crops 1 litre of the Qultivo concentrate per 200 liters of water per 1 ha,
- for small-scale crops, using about 20 liters of solution per an area of 10 m² - 100 ml of the Qultivo concentrate per 20 litres of water.

During the vegetation period, water plants every 14 -21 days from the start of vegetation to the first harvests

- for large-scale crops 1 litre of the Qultivo concentrate per 200 liters of water per 1 ha,
- for small-scale crops, using about 20 litres of solution per an area of 10 m² - 100 ml of the Qultivo concentrate per 20 liters of water.

Vegetables grown under covers:

During the vegetative growth and fruiting, fertilise plants with 7-14 day-long intervals. Depending on the requirements of a particular plant, the plants should be treated with a 0.25% fertiliser solution - 0.5 liter of the Qultivo concentrate per 200 liters of water per 1 ha (2 liters of the solution per 100 m²).

Species with intense growth (tomato, cucumber, pepper) should be treated with a higher concentration fertiliser solution - 1 litre of the Qultivo concentrate per 200 liters of water per 1 ha (2 liters of the solution per 100 m²).

Foliar fertilisation

The fertiliser may be used several times during the growing in the form of spraying, 2-4 times per season at a concentration of 0.25% - 0.5 litre of the Qultivo concentrate per 200 liters of water per 1 ha (2 litres of solution per 100 m²).

Carry out sprayings when the air temperature is 5-25 °C.

It is recommended to carry out the sprayings in the morning or evening when the wind force is small.

WORKING LIQUID PREPARATION

- Shake the container well before opening it and measure out the necessary quantity of the fertiliser.
- Partly fill the sprayer container with water (if possible, use warm water at a temperature of 20-25 °C) and pour a measured amount of the fertiliser with the stirrer on
- While stirring, fill up the container to a necessary volume.
- Use the prepared working liquid immediately after it is made
- You may use the fertiliser jointly with plant protection products, after they have gone through a miscibility test as a result of which no deposit or other insoluble element is formed.

STORAGE

- Store in a cool and dark place, in genuine packages.
- Shelf life 2 years.
- Unused packages containing fertiliser with the shelf life expired should be disposed

COMMENTS

- Do not use on frozen, flooded, water-saturated, snow-covered soils and during rainfall. Frozen soil is not considered to be soil that thaws at least on the surface during the day.
- Do not exceed the recommended doses.

PRECAUTIONS

- When working with fertilizer, observe the generally applicable hygiene and safety rules.
- Use protective gloves.
- Do not eat, keep out of the reach of children.
- If eyes are contaminated, rinse them with plenty of clean water
- and consult a physician if necessary.

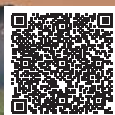
NOVELTY!

QULTIVO

QULTIVO concentrate organo-mineral liquid fertilizer, foliar and soil

APPLICATION METHOD OR GROUP OF PLANTS		TREATMENTS	
TO THE SOIL IN AUTUMN	After harvest, in order to properly distribute the plant residues remaining in the field / Depending on the remaining biomass in the field, e.g. 1 liter of fertilizer per 200 liters of water per 1 ton of residue; 2 liters of fertilizer, for 200 liters of water for 2 tons of residue; 5 liters QULTIVO for 200 liters of water for 5 tonnes of residue.	1	
TO THE SOIL IN SPRING	Activation, soil rehabilitation / Up to 20 days before sowing/planting plants, depending based on the soil quality, use approx. 2 liters of QULTIVO for 250 liters of water per ha	1	
PLANTS AGRICULTURAL, GRAINS	FOLIAR SPRAYING / 1 liter of QULTIVO for 200-250 liters of water for 1 ha	1 - 3	
SEEDS	SOAKING / 1 liter of QULTIVO to 10 liters of water for 1 tonne, for 30-60 min. and sow	1	
PLANTS	SOAKING / 0.25 liters of QULTIVO in 15 liters of water, soak the roots for 6 hours	1	
FRUIT PLANTS	TO THE SOIL 3-4 weeks before planting / 2 liters for 400 liters of water for 1 ha or 20 ml for 4 liters of water for 10 m ²	1	
	In orchards and plantations in early spring / 2 liter. QULTIVO for 400 liters. water for 1 ha or 20 ml for 4 liters. of water per 10 m ²	1	
	FOLIAR SPRAYING / 1 liter of QULTIVO for 400 liters of water for 1 ha	3 - 4	
ORNAMEN-TAL PLANTS	TO THE SOIL 3 - 5 days before planting in the ground / 2 liters for 400 liters of water for 1 ha or 20 ml for 4 liters of water for 10 m ²	1	
	TOPDRESSING FERTILISATION	Plants grown in the ground Young or weak-growing plants / 1 liter per 400 liter. water per 1 ha or 10 ml per 4 liter. of water per 10 m ²	1 - 3
		Older or vigorous plants / 2 liters of QULTIVO for 400 liters of water for 1 ha or 20 ml for 4 liters of water for 10 m ²	1-3
	Plants potted and balcony	April to October / 2-3 ml of QULTIVO per liter of water	every 14 - 21 days
		In winter / 2.5 ml QULTIVO per 1 liter of water	1 in months
FOLIAR SPRAYING / 2.5 ml per 1 liter of water	3 - 4		
LAWNS	In early spring or autumn, 3 - 5 days before setting up a lawn / 2 liter. for 400 liters. water for 1 ha or 20 ml for 4 liters of water for 10 m ²	1	
	TOPDRESSING FERTILISATION / 2 liters of QULTIVO for 400 liters of water for 1 ha or 20 ml for 4 liters of water for 10 m ²	1 in months	
	FOLIAR SPRAYING / 0.5 liters of QULTIVO for 200 liters of water for 1 ha or 5 ml for 2 liters of water for 10 m ²	3 - 4	
PLANTS VEGETABLE	IN THE SOIL before cultivation in the ground 5 - 10 days before sowing seeds or planting seedlings / 2 liter. QULTIVO for 400 liters. water per 1 ha or 100 ml per 20 liter. of water per 10 m ²		1
	TOPDRESSING FERTILISATION	vegetables grown in the ground after emergence, after the first proper leaves have formed and the seedlings have taken root / 0.5 liter. for 200 liters. of water for 1 ha or 50 ml for 20 liters. of water per 10 m ²	1
		older and stronger growing plants / 1 liter per 200 liters of water per 1 ha or 100 ml per 20 liters of water per 10 m ²	every 14 - 21 days
	vegetables grown under covers	during the growing and fruiting season / 0.5 liters of QULTIVO for 200 liters of water per 1 ha	every 7 - 14 days
		Strong-growth species (tomato, cucumber, pepper) / 1 liter QULTIVO per 200 liters of water per 1 ha	every 7 - 14 days
FOLIAR SPRAYING / 0.5 liters of QULTIVO for 200 liters of water for 1 ha	2 - 4		

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EXEMPLARY APPLICATIONS



SAFETY DATA SHEET



DETAILED INSTRUCTION APPLICATION AND STORAGE

