

EXPERT OPINION
of the Institute of Horticulture – State Research Institute in Skierniewice
on the suitability of the organic fertiliser "*Cavita Biocomplex*" for use in orchard plants
cultivation

The opinion was commissioned by the importer of the fertiliser under the name "*Cavita Biocomplex*", i.e. CAVITA GROUP Sp. z o.o., 1/101 Krawiecka street, 50-148 Wrocław. The basis for the opinion was the documentation provided by the importer: (1) Importer's declaration, (2) description of the production technology, (3) report on physical, chemical and biological properties of the fertiliser issued by the Institute of Soil Science and Plant Cultivation of the State Research Institute in Puławy, and (4) opinion on the compliance with the quality requirements and requirements for permissible impurities content issued by the Institute of Soil Science and Plant Cultivation - State Research Institute in Puławy.

1. Trade name of the fertiliser: "*Cavita Biocomplex*"

Type of fertiliser: organic fertiliser

Form: liquid solution

2. Brief description of the production technology

"*Cavita Biocomplex*" is manufactured by ultrasonic cavitation of peat in a water milieu under high pressure. Once this process is complete, the obtained solution is poured into containers.

3. Assessment of the suitability of the fertiliser for the intended use

Pursuant to § 2 par. 4 point 2 of the Regulation of the Minister of Agriculture and Rural Development of 18 June 2008 on implementation of certain provisions of the Act on fertilisers and fertilisation (Journal of Laws No. 119., item 765, with amendments), field tests of the organic fertiliser "*Cavita Biocomplex*" were not required, as the Importer's declaration, description of the production technology and physical, chemical and biological tests (Institute of Soil Science and Plant Cultivation of the State Research Institute in Puławy test report no. 21N77 of 5.11.2021) indicated that the fertiliser under the name "*Cavita Biocomplex*" is manufactured from raw materials often used in agriculture. The fertiliser contains significant amounts of nitrogen (0.19% N m/m) and iron (93 mg Fe/kg m/m), as well as organic matter (98.2% dry mass), which guarantees improved accessibility of nitrogen and iron for plants, and consequently their growth and development.

Therefore, it should be stated that the organic fertiliser under the name "*Cavita Biocomplex*" is useful for orchard plants, especially on light soils with low content of humus and low microbiological activity and also on soils with insufficient iron bioavailability.

4. Information on the effects of the fertiliser on animal health when properly used

The values of mineral contamination (chromium, cadmium, nickel, lead and mercury) in the subject fertiliser are lower than their permissible content (opinion of the Institute of Soil Science and Plant Cultivation - State Research Institute in Puławy on compliance with quality requirements and requirements concerning permissible content of contamination in the fertiliser, No. NŻN.501 .533.2021.JT of 26.11.2021, issued on the basis of the report of the Main Laboratory of Chemical Analyses, Institute of Soil Science and Plant Cultivation - State Research Institute in Puławy, No. 21N77 of 05.11.2021).

Biological tests of the fertiliser "*Cavita Biocomplex*" performed at the State Veterinary Institute - State Research Institute in Puławy showed that the fertiliser does not contain eggs of intestinal parasites *Ascaris sp.*, *Trichuris sp.*, *Toxocara sp.* or bacteria of the genus *Salmonella* (report no. 21N77 of 05.11.2021).

Considering the above it should be concluded that the fertiliser under the name "*Cavita Biocomplex*", when used properly, does not pose any risk to human or animal health or the environment.

5. Information on the possibility of combined use of the fertiliser with plant protection products

The fertiliser under the name "*Cavita Biocomplex*" is not intended to be used in combination with plant protection products.

6. Accepted draft of the instructions for use (attached)

I accept the content of the instructions for use and storage of the organic fertiliser under the name "*Cavita Biocomplex*" for the cultivation of orchard plants.

NOTICE: Samples for tests submitted to the Institute of Soil Science and Plant Cultivation - State Research Institute in Puławy were collected by a sampler from the District Chemical-Agricultural Station in Wrocław.

Drawn up by

Paweł Wójcik, Ph.D. habil.

HEAD OF THE UNIT
Orchard Plants Cultivation and Fertilisation
INSTITUTE OF HORTICULTURE - STATE RESEARCH
INSTITUTE

96-100 Skierniewice, 1/3 Konstytucji 3 Maja street
Paweł Wójcik, Ph.D. habil., professor at the Institute of
Horticulture, State Research Institute