



## Specialist orchard fertilizers

# Activ Start Orchards NPK

contains  
chelates 

Guaranteed content: **NPK 31** (nitrogen-phosphorus-potassium: **4-16-11**)  
**MgO** – 4.5%, **SO<sub>3</sub>** – 9.0%, **Zn EDTA** – 2.4%, **B** – 4.7%



We enhance nature  
[www.arkop.pl](http://www.arkop.pl)

### Description and performance

**Activ Start Orchards** is a unique composition of chelated minerals to provide the optimal supply of plant nutrients in early growth periods. Its precisely matched primary macronutrient content (N, P, K, Mg, S) combined with its high content of boron and chelated zinc enables it to activate basic physiological processes in plants quickly and efficiently.

- Stimulating post-frost damage regeneration and cell recovery
- Intensifying cell division
- Strengthening plant resistance to stress factors (heat, water and light-related stress)

Application of preparations comprising chelated microelements ensures much higher level of utilization of supplied components. In addition, it makes it possible to significantly reduce the amount of the preparation applied in comparison with traditional products. **Activ Start Orchards** contains amino acids.

**Activ Start Orchards** ensures bioregeneration of frost damage, reconstruction of cells and intensification of cell divisions.

**Activ Start Orchards** ensures biostimulation of plant resistance to stress factors (thermal, water and light stress).

**Activ Start Orchards** provides complete solubility.

Fertilizer designed for application in orchard plantations: **apple, cherry, gean, pear, plum, blueberry, raspberry and strawberry.**

### NUTRIENTS % (m/m):

- **total N** – 4 %
- **amide N** – 3.0 %
- water soluble **P<sub>2</sub>O<sub>5</sub>** – 16 %
- water soluble **K<sub>2</sub>O** – 11 %
- water soluble **MgO** – 4.5 %
- water soluble **SO<sub>3</sub>** – 9.0 %
- water soluble **B** – 4.7 %
- water soluble **Zn** chelated by EDTA – 2.4 %

**The product contains amino acids.**

### Application

The fertilizer is designed for extra-root feeding in the form of spray or through watering system sprinklers.

**Recommended concentration:** 0.5%, 700-1000 liters of solution per hectare.

(Dissolve the recommended dose thoroughly in 10 l of water).

# Activ Start Orchards NPK

contains  
chelates 

## Dosage

PLANT	DOSAGE [kg/ha]	TIME OF APPLICATION	NUMBER OF APPLICATIONS
RASPBERRY. CURRANT	3	PROPHYLAXIS – from the beginning of vegetation to beginning of flowering	2-3
	3.0-5.0	INTERVENTION – from the beginning of vegetation to beginning of flowering	*
CHERRY. GEAN. PLUM. APPLE TREE. PEAR TREE	3	PROPHYLAXIS – from cracking buds to end of flowering	2-3
	3.0-5.0	INTERVENTION – from cracking buds to end of flowering	*
STRAWBERRY	3	PROPHYLAXIS – from the beginning of vegetation to full flowering	2-3
	3.0-5.0	INTERVENTION – from the beginning of vegetation to full flowering	*
BLUEBERRY	3	PROPHYLAXIS – from swelling buds to end of flowering	2-3
	3.0-5.0	INTERVENTION – from swelling buds to end of flowering	*

\* INTERVENTION – intervention treatments before and after occurrence of a stress factor.

**Preparation of a working solution:** Directly before the spraying, fill up the sprayer with water up to 2/3 of the capacity and turn the mixer on; add in the order specified: **Activ Start Orchards**, plant protection agent, according to instruction (if envisaged and recommended for mixing), wetting agent. Fill up with water and start spraying.

## Performance of Activ Start Orchards

- stimulation of regeneration of frost damage and reconstruction of cells
- intensification of cell divisions
- strengthening plant resistance to stress factors (thermal, water, light stress)
- effective and quick prevention of microelement deficiency
- limiting the use of pesticides
- higher yields.

## Arkop

We have been building our experience in the fertilizer industry since 1992. Our goal is to manufacture fertilizers making it possible to derive the very best nature has to offer... For this reason, our extensive product range entails the latest developments in biotechnology, in particular top grade chelates (chelation level confirmed by PCBC – Polish Center for Testing and Certification).

As a result of our close long-term cooperation with scientific institutes and universities, we have manufactured proven and effective products. We constantly monitor our production process and incorporate the requisite modifications in striving to continue improving our offer and aligning it to meet customer needs and expectations.

The Arkop brand name is synonymous with high quality because of both our close cooperation with scientific institutes and universities and the innovative technology we have launched based on proprietary research and experience. As a result, all our products adhere to the highest standards of quality and environmental protection adopted in the European Union. We apply and constantly develop our integrated food quality and safety management system **ISO 22000 (HACCP)** and **ISO 9001**. As a confirmation of adherence to the most stringent requirements in this area, we have obtained the integrated management system certificate – Food Quality and Safety **PN-EN ISO 9001:2009** and **HACCP – PN-EN ISO 22000-2006**. We also have the European quality system certificate for feed additives and premixes **FAMI-QS**. Currently we work with customers from across the world.

EC FERTILIZER



ARKOP Sp. z o.o.  
Poland, 32-332 Bukowno  
ul. Kolejowa 34a  
tel.: +48 32 649 44 51  
arkop@arkop.pl | www.arkop.pl

We enhance nature

