VitAmino®



| Into dry matter (w/w) Enzymes, % 0,9 ± 0,05% Phytormones, % 1,15 ± 0,2% Total amino acids*, % 6 ± 0,2% L-Serine (Serine), % 6 ± 0,2% L-Serine Acid, % 11 ± 0,2% Vitamins, % 11 ± 0,2% Vitamins, % 11 ± 0,2% Vitamins, % 11 ± 0,2% Natural Chelate agent, % 5% Humic substances, g/L 5 ± 2 Humic acids, % 25 ± 2 Fulvic acids, % 28,0 ± 5% Katoral elements 28,0 ± 5% Katoral elements 35 ± 2,5% N % 8,0 ± 0,5% N norganic, % 1,5 ± 0,1% N organic, % 1,5 ± 0,1% Y = 0,5% 0,1 ± 0,03% N organic, % 1,2 ± 0,5% S ale condary elements 2 ± 0,5% S ale condary elements 3,0 ± 1,0,03% S ale condary elements 3,0 ± 0,01% CacO ₃ , % 0,04 ± 0,01% CacO ₃ , % 3,0 ± 5,05% | Active substances | | |
|---|-----------------------------------|--------------|--|
| Phytohormones, % 1,15 ± 0,2% Total amino acids*, % 7,0 ± 0,2% L-Serine (Serine), % 6 ± 0,2% L-Threonine Acid, % 11 ± 0,2% Vitamins, % 11 ± 0,2% Vitamins, % 1,15 ± 0,05% Natural Chelate agent, % 5 % Humic substances, g/L 25 ± 2 Humic acids, % 72,0 ± 5% Fulvic acids, % 28,0 ± 5% Katural elements 28,0 ± 5% C, % 35 ± 2,5% Marco elements 35 ± 2,5% N, % 8,0 ± 0,5% Norganic, % 1,5 ± 0,1% P ₂ O ₅ , % 0,1 ± 0,03% K ₂ O, % 1,2 ± 0,5% S, % 0,04 ± 0,01% S, % 5,00 ± 0,5% CaCO ₃ , % 5,00 ± 0,5% Kitror elements 5,00 ± 0,5% | Into dry matter (w/w) | | |
| No. No. Total amino acids*, % 7,0 ± 0,2% L-Serine (Serine), % 11 ± 0,2% L-Threonine Acid, % 11 ± 0,2% Vitamins, % 1,15 ± 0,05% Juto colume (w/V) 1 Natural Chelate agent, % 5% Humic substances, g/L 25 ± 2 Humic acids, % 72,0 ± 5% Fulvic acids, % 28,0 ± 5% Katural elements 28,0 ± 5% Katural elements 35 ± 2,5% Norganic, % 8,0 ± 0,5% Norganic, % 1,5 ± 0,1% Yaco, % 1,5 ± 0,1% Secondary elements 1,5 ± 0,1% S, % 0,01 ± 0,03% S, % 0,04 ± 0,01% S, % 0,04 ± 0,01% CaCO ₃ , % 5,00 ± 0,5% Kitor elements 5,00 ± 0,5% | Enzymes, % | 0,9 ± 0,05% | |
| L-Serine (Serine), %6 ± 0,2%L-Threonine Acid, %11 ± 0,2%Vitamin, %1,15 ± 0,05%Into volume (w/V)Natural Chelate agent, %5 %Humic substances, g/L25 ± 2Humic acids, %25 ± 2Fulvic acids, %72,0 ± 5%Fulvic acids, %28,0 ± 5%Katural elements28,0 ± 5%C, %35 ± 2,5%Norganic, %1,5 ± 0,1%Norganic, %1,5 ± 0,1%P ₂ O ₅ , %0,1 ± 0,03%K ₂ O, %1,2 ± 0,5%S, %0,0 ± 1,0,03%S, %0,0 ± 0,0,1%S, %0,0 ± 0,0,1%CaCo ₃ , %5,00 ± 0,5%Kitor elements5,00 ± 0,5%Caco, %3,0 ± 5,0,1%S, %0,0 ± 0,0,1%Caco, %5,00 ± 0,5%Caco, %3,0 ± 5,0,1%Caco, %3,0 ± 5,0,1%Caco, %5,00 ± 0,5%Caco, %5,00 ± 0,5%Caco, %3,0 ± 5,0,1%Caco, %3,0 ± 5,0,1%Caco, %5,00 ± 0,5%Caco, %5,00 ± 0,5% <tr <td="">5,00 ± 0,5%<</tr> | Phytohormones, % | 1,15 ± 0,2% | |
| | | | |
| L-Threonine Acid, % 11±0,2% Vitamins, % 1,15±0,05% <i>Into volume (w/V) Into volume (w/V)</i> Natural Chelate agent, % 5% Humic substances, g/L 25±2 Humic acids, % 72,0±5% Fulvic acids, % 28,0±5% <i>Katural elements</i> 28,0±5% <i>Katural elements</i> 35±2,5% <i>N</i> , % 8,0±0,5% Norganic, % 1,5±0,1% <i>N</i> ₂ O ₅ , % 0,1±0,03% <i>K</i> ₂ O, % 12±0,5% <i>S</i> , % 0,04±0,01% <i>S</i> , % 5,00±0,5% <i>Lacol</i> ₃ , % 5,00±0,5% | Total amino acids*, % | 7,0 ± 0,2% | |
| Vitamins,%1,15 ± 0,05%Into volume (w/V)Natural Chelate agent, %Staural Chelate agent, %Iumic substances, g/LStaura caids, %72,0 ± 5%Fulvic acids, %28,0 ± 5%Katural elementsC, %Statz elementsN, %S, %0,1 ± 0,03%Paco, %Sigendary elementsS, %0,04 ± 0,01%S, %0,04 ± 0,01%CaCO ₃ , %So ± 5,05%Cator elementsS, %0,04 ± 0,01%Caco, %So ± 5,05%Sin ± 5,05% <t< td=""><td>L-Serine (Serine), %</td><td>6 ± 0,2%</td></t<> | L-Serine (Serine), % | 6 ± 0,2% | |
| Into volume (w/V) Natural Chelate agent, % 5 % Humic substances, g/L 25 ± 2 Humic acids, % 72,0 ± 5% Fulvic acids, % 28,0 ± 5% Katural elements 28,0 ± 5% C, % 35 ± 2,5% Macro elements 35 ± 2,5% N, % 8,0 ± 0,5% Norganic, % 1,5 ± 0,1% P ₂ O ₅ , % 0,1 ± 0,03% K ₂ O, % 1,2 ± 0,5% S, % 0,04 ± 0,01% S, % 5,00 ± 0,5% Kacoolany elements 5,00 ± 0,5% CaCO ₃ , % 5,00 ± 0,5% Micro elements 5,00 ± 0,5% S, % 0,04 ± 0,01% CaCO ₃ , % 5,00 ± 0,5% | L-Threonine Acid, % | 11 ± 0,2% | |
| Natural Chelate agent, %5 %Humic substances, g/L25 ± 2Humic acids, %72,0 ± 5%Fulvic acids, %28,0 ± 5% Agrochemical indicators (w/w)Xatural elementsKatural elements 35 ± 2,5% Macro elements 35 ± 2,5%N, %8,0 ± 0,5%N organic, %1,5 ± 0,1%P ₂ O ₅ , %0,1 ± 0,03%K ₂ O, %12 ± 0,5%Secondary elements5,00 ± 0,5%S, %0,04 ± 0,01%CaCO ₃ , %5,00 ± 0,5%Micro elements5,00 ± 0,5%Macro elements5,00 ± 0,5%S, %0,04 ± 0,01%CaCO ₃ , %3,0 ± 5Micro elements5,00 ± 0,5%Macro elements5,00 ± 0,5%Micro elements5,0 | Vitamins, % | 1,15 ± 0,05% | |
| Humic substances, g/L25 ± 2Humic acids, %72,0 ± 5%Fulvic acids, %28,0 ± 5%Agrochemical indicators (w/w)*Agrochemical indicators (w/w)*Matural elements35 ± 2,5%C, %35 ± 2,5%Macro elements35 ± 2,5%N, %8,0 ± 0,5%N organic, %1,5 ± 0,1%P ₂ O ₅ , %0,1 ± 0,03%K ₂ O, %12 ± 0,5%Secondary elements5,00 ± 0,5%CaCO ₃ , %5,00 ± 0,5%Micro elements5,00 ± 0,5%XS,00 ± 0,5%Micro elements5,00 ± 0,5%XS,00 ± 0,5%Micro elements5,00 ± 0,5%XS,00 ± 0,5%Micro elementsSXS,00 ± 0,5%Micro elementsSXS,00 ± 0,5%Micro elementsSXSMicro elementsSXSMicro elementsSXSMicro elementsSMicro elemen | Into volume (w/V) | | |
| Humic acids, % 72,0 ± 5% Fulvic acids, % 28,0 ± 5% Agrochemical indicators (w/w) ** Natural elements 35 ± 2,5% C, % 35 ± 2,5% Macro elements 35 ± 2,5% N, % 8,0 ± 0,5% N organic, % 1,5 ± 0,1% P ₂ O ₅ , % 0,1 ± 0,03% K ₂ O, % 12 ± 0,5% Secondary elements 5,00 ± 0,5% GaCO ₃ , % 5,00 ± 0,5% Micro elements 5,00 ± 0,5% | Natural Chelate agent, % | 5 % | |
| Fulvic acids, % 28,0 ± 5% Agrochemical indicators (w/w) * Natural elements 35 ± 2,5% C, % 35 ± 2,5% Macro elements 35 ± 2,5% Nacro elements 15 ± 0,1% Norganic, % 1,5 ± 0,1% P ₂ O ₅ , % 0,1 ± 0,03% K ₂ O, % 12 ± 0,5% Secondary elements 5,00 ± 0,5% CaCO ₃ , % 5,00 ± 0,5% Micro elements 5,00 ± 0,5% | Humic substances, g/L | 25 ± 2 | |
| Agrochemical indicators (w/w) Natural elements C,% 35±2,5% Macro elements 35±2,5% Macro elements 1,5±0,1% N,% 8,0±0,5% N organic,% 1,5±0,1% P ₂ O ₅ ,% 0,1±0,03% K ₂ O,% 12±0,5% Secondary elements 5,00±0,5% CaCO ₃ ,% 5,00±0,5% Micro elements 5,00±0,5% Xin, mg/L 30±5 | Humic acids, % | 72,0 ± 5% | |
| Natural elements C,% 35±2,5% Macro elements Macro elements N,% 8,0±0,5% N organic,% 1,5±0,1% P ₂ O ₅ ,% 0,1±0,03% K ₂ O,% 12±0,5% Secondary elements 0,04±0,01% CaCO ₃ ,% 5,00±0,5% Micro elements 30±5 | Fulvic acids, % | 28,0 ± 5% | |
| C, % 35±2,5% Macro elements 35±2,5% N, % 8,0±0,5% N organic, % 1,5±0,1% P ₂ O ₅ , % 0,1±0,03% K ₂ O, % 12±0,5% Secondary elements 5,0% CaCO ₃ , % 0,04±0,01% CaCO ₃ , % 5,00±0,5% Micro elements 5,00±0,5% Xn, mg/L 30±5 | Agrochemical indicators (w/w) | ** | |
| Macro elements N, % 8,0 ± 0,5% N organic, % 1,5 ± 0,1% P ₂ O ₅ , % 0,1 ± 0,03% K ₂ O, % 12 ± 0,5% Secondary elements 0,04 ± 0,01% CaCO ₃ , % 5,00 ± 0,5% Micro elements 30 ± 5 | Natural elements | | |
| N,% 8,0±0,5% N organic,% 1,5±0,1% P ₂ O ₅ ,% 0,1±0,03% K ₂ O,% 12±0,5% Secondary elements 12±0,5% S,% 0,04±0,01% CaCO ₃ ,% 5,00±0,5% Micro elements 3,0±5 | C, % | 35 ± 2,5% | |
| N organic, % 1,5 ± 0,1% P ₂ O ₅ , % 0,1 ± 0,03% K ₂ O, % 12 ± 0,5% Secondary elements 0,04 ± 0,01% CaCO ₃ , % 5,00 ± 0,5% Micro elements 3,0 ± 5 | Macro elements | | |
| P2O5,% 0,1±0,03% K2O,% 12±0,5% Secondary elements 0,04±0,01% CaCO3,% 5,00±0,5% Micro elements 20 Zn, mg/L 30±5 | N, % | 8,0 ± 0,5% | |
| K2O, % 12 ± 0,5% Secondary elements 0,04 ± 0,01% S, % 0,04 ± 0,01% CaCO3, % 5,00 ± 0,5% Micro elements 200 ± 0,5% Zn, mg/L 30 ± 5 | N organic, % | 1,5 ± 0,1% | |
| Secondary elements S, % 0,04 ± 0,01% CaCO ₃ , % 5,00 ± 0,5% Micro elements 30 ± 5 | P ₂ O ₅ , % | 0,1 ± 0,03% | |
| S, % 0,04 ± 0,01% CaCO ₃ , % 5,00 ± 0,5% Micro elements 2n, mg/L | K ₂ O, % | 12 ±0,5% | |
| CaCO ₃ ,% 5,00±0,5% <i>Micro elements</i> Zn, mg/L 30±5 | Secondary elements | | |
| Micro elements Zn, mg/L 30 ± 5 | S, % | 0,04 ± 0,01% | |
| Zn, mg/L 30 ± 5 | CaCO ₃ , % | 5,00 ± 0,5% | |
| - | Micro elements | | |
| B, mg/L < 1 | Zn, mg/L | 30 ± 5 | |
| | B, mg/L | < 1 | |
| Mn, mg/L <10 | Mn, mg/L | <10 | |
| Fe, mg/L 35 ± 5 | Fe, mg/L | 35 ± 5 | |
| Cu, mg/L 20 ± 5 | Cu, mg/L | 20 ± 5 | |
| Mo, mg/L < 2 | Mo, mg/L | < 2 | |
| Mg, mg/L < 5 | Mg, mg/L | < 5 | |

| Physical property | |
|-------------------------|---------------------|
| State of aggregation | Liquid |
| Dry Matter, % | 10 ± 0,5% |
| Humidity, % | 90 ± 0,5% |
| Organic matter, % (v/V) | 6 ± 0.5% |
| Organic matter, % (w/w) | 70,0 ± 7% |
| Particle size, mm | <0,5 (98% accuracy) |
| Density, w/V | 1.04 |
| Solubility, % | 98 |
| Biodegradable on, % | 100 |
| | |

| C:N | <9 |
|---------------------------|-----------|
| рН | 9,5 ± 0,5 |
| Impact on pH of ready mix | + 0,1 |
| EVS, mS/cm | < 20 |

L-Serine (Serine):

- Auxin Forerunner
- Increases resistance to stress.
- Improves pollination and fertilization
- The formation of humic compounds

L-Threonine Acid:

- ✓ Activates seed germination
- ✓ Regulates the mechanism of protection during stress
- Enhances the humification process

L-Aspartic Acid:

- Activates seed germination
- \checkmark Participates in the metabolism of amino acids
- ✓ Source of organic nitrogen

Usage:

An excellent choice for biochemical processes activation, improving mineralization of organic residuals and improving mineral elements deposit bioavailability. Apply once before planting and once during rest periods.

The product may be used simultaneously with mineral fertilizers, fungicides and insecticides, thereby increasing their effectiveness.

The product is recommended to be used 7 days after the application of herbicides, in order to reduce plant stress. The product can be used with all types of equipment and all types of irrigation systems. Use within 3 months of opening.

Preparation of dilution:

Dilute 1 Litre of product in 10 Litres of water. Stir thoroughly. Mix the resulting mixture with 90 Litres of water.



* The complex contains 17 different amino acids.

** The content may vary slightly, depending on the composition of the water of the local producer and the additives that are used.