



CATALOGUE 

FOLLOW ME

www.concimibios.com



PROSPERITY IN THE LAND



AmminoMag Flash + micro

Mixture of organic nitrogen fertilizers (Mg), (S) with microelements

N	P	K	MgO	SO ₃	B	Mn	C	U.F.
9	2	0	4	7,8	0,2	0,3	35	58,3

AmminoMag Flash+Micro, is a mixture of complete proteins, amino acids and quick release peptides, with magnesium sulphate, sodium borate and manganese oxide.

AmminoMag Flash+Micro follows a particular processing technique that makes the product uniform and integrated in the form of mini-pellets, so that it can also be distributed locally, with seeding machines, tamping machines, weeders, etc. It also dissolves quickly when in contact with moisture.

The raw materials used, integrated with selected tectosilicates (which allow an increase in cation exchange and promote the retention of water), are available immediately. The nutritive elements are assimilated by the plant according to its constant and continuous needs, without allowing leakage by leaching and/or sublimation. It also solubilizes any nutritive elements blocked in the soil, from previous incorrect administration of fertilizers due to the influence of the organic substance on the pH of the soil.

Manganese is a catalyst for chlorophyll processes and tissue formation. It is essential for the activation of many enzymes, making plants more resistant to pest attacks.

Boron acts in the plant as a synergist of calcium and of the absorption of other ions. It promotes the lignification of tissues, regulates the water absorption and participates in the synthesis of sucrose and starch. It affects the differentiation of flower buds, the germination of pollen, the synthesis of flavonoids, the hormonal levels within the plant.

COMPOSITION			
Nitrogen	(N)	organic	9 %
Phosphoric anhydride	(P ₂ O ₅)	total	2 %
Magnesium oxide	(MgO)	totale	4 %
Sulphuric anhydride	(SO ₃)	total	7,8 %
Boron	(B)	soluble in water	0,2 %
Manganese	(Mn)	soluble in water	0,3 %
Organic carbom	(C)	biological origin	35 %



The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.

selected tectosilicates inside

AmminoMag Flash + micro

PACKAGING

Bags	Kg. 25 (n°60/pallet)
Form	mini pellets (die ø 3,5 mm.)



RAW MATERIALS

Product obtained only from beggining FERTILIZERS of D.lgs. 75/2010, Attached 13, Table 1	ORGANIC COMPONENTS
	Dry blood, animal hydrolyzed epithelium
	MINERAL COMPONENTS
	Magnesium sulfate, Sodium borate, manganese salt (sulfate)

Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.

RECOMMENDED DOSES - Kg./Ha

Tree crops	100 - 150
Horticultural crops (open field)	60 - 120
Greenhouses	70 - 150



The suitable analytical data on the wrappings follow the prescriptions of the D.L.g.s n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.



HUMUS BIOS

IMPROVER composted mix

N	P	K	C	U.F.
2	0	2	29	42,1

MORE ORGANIC SUBSTANCE TO THE SOIL



"Feeding the soil in order to feed the plants": plant life depends on ground life. Our first concern is to keep the structure and the composition of the ground completely unchanged, "feeding it" with natural and balanced products, which allow the life and the development of microflora and microfauna contained within it.

HUMUS BIOS is what we suggest in order to feed the soil most effectively.

In fact, the humus, essential for the nutrition of vegetables, is a mix of organic substances contained in the soil and derived from the decomposition of plant and animal residues and from the synthesis of new organic molecules by several micro-organisms; with a colloidal nature and therefore strongly absorbent, it is earthy and stringy in appearance, brown in colour, almost black.

HUMUS BIOS: it originally comes from civil damp accomplished by dry biogas facility using anaerobic fermentation.

To do this, the base product must be free of obvious sources of contamination which would prevent its microbial activity. For this reason, for us it becomes very high-quality raw material and with the addition of Calcium and Magnesium's tectosilicates appropriately selected and compacted in mini-pellets, our Humus becomes one of the best soil improvers in order to add organic substance to the farmland.

The wealth in humic and fulvic acids notably contributes to the enrichment of nutrients in the soil where they are spread around, getting to the final benefit of the cultivations.



selected tectosilicates inside



HUMUS BIOS

PACKAGING

Bags	Kg. 30 (n°50/pallet)
Big Bags	Kg. 500/each
Form	mini pellets (die ø 3,5 mm.)

IMPROVER

COMPOSITION

Umidity		15 %
pH		7,7
Organic Carbon	(C) dry matter	29 %
Umic and Fulvic Carbon	(C) dry matter	10 %
Nitrogen	(N) dry matter	2 %
C/N		14,5
Saltiness	meq/100g	6,2
Potassium oxide	(K ₂ O) soluble in water	2 %
Calcium oxide	(CaO) total	7 %
Magnesium oxide	(MgO) total	1,5 %
Iron	(Fe) soluble in water	0,6 %

RAW MATERIALS

Digested anaerobic process, exluded undifferentiated refusal

RECOMMENDED DOSES - Q.li/Ha

Tree crops	10 - 20
Horticultural crops (open field)	12 - 20
Greenhouses	15 - 50

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.



Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.

The suitable analytical data on the wrappings follow the prescriptions of the D.L.gs n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.

PROSPERITY IN THE LAND



Primo340

Mix of organic fertilizers NP

N	P	K	CaO	MgO	SO ₃	Zn	C	U.F.
3	4	-	10	0,35	5	0,01	23	45,4

Biological

A REFINED ORGANIC SUBSTANCE

Primo340 belongs to the innovative product line based on **organic fertilizers NP (Ca)** which are made of natural organic matrices like complete proteins, amino acids and peptides, all put together with appropriately selected Calcium and Magnesium tectosilicates: they have the multiple target of enhancing the organic matter and Humus in the soil in order to obtain a unit output, improve product-processing quality standards, solubilize all elements accrued in the soil so that any plant can get what is needed when needed.

Completely free from toxic contaminants, **Nitrogen, Phosphorus, and Calcium from organic sources** are available immediately and progressively, respecting the microflora of the soil, allowing those useful micro-organisms to perform their function of "organic digestion".

The selected Calcium and Magnesium tectosilicates can positively affect the cation exchange capacity; they guarantee the gradual and progressive release of water and other nutrients (which otherwise would have been leached); they also ensure the soil is constantly humid and the air can freely circulate (they avoid stress and asphyxia in the roots and promote useful micro-organisms activities).

Primo340 is a member of the "Family", with a high presence of Complete Proteins from organic substance (from which the totality of the Nitrogen is derived) in perfect balance with phosphorus and calcium: due to an excellent quality/price ratio, it's significantly superior to the simple soil improvers and it's used as an ameliorative alternative to manure or poultry. Sulphur, Magnesium and Zinc complete the product.

Primo340: soil fertility and plant nutrition.

COMPOSITION			
Nitrogen	(N)	organic	3 %
Phosphoric anhydride	(P ₂ O ₅)	total	4 %
Potassium oxide	(K ₂ O)	soluble in water	0,17 %
Calcium oxide	(CaO)	total	10 %
Magnesium oxid	(MgO)	total	0,35 %
Sulphuric anhydride	(SO ₃)	total	5 %
Iron	(Fe)	soluble in water	101 mg./Kg.
Manganese	(Mn)	soluble in water	3,2 mg./Kg.
Zinc	(Zn)	soluble in water	14,8 mg./Kg.
Organic carbon	(C)	biological origin	23 %
Proteins			19 %
Reaction (1:5) pH			6,5
Chromium	(Cr)	total	-

RAW MATERIALS	
Product obtained beginning only from FERTILIZERS of D.lig. 75/2010, Attached 13, Table 1	ORGANIC COMPONENTS Hydrolysed slaughter residues, Meat meal (fleshing), Ruffet of bones, dry blood, natural horns

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.

tectosilicates selected inside



PACKAGING

Bags	Kg. 25 (n°60/pallet)
Big Bags	Kg. 500/each
Form	Powder or mini pellets (die ø 3,5 mm.)



The suitable analytical data on the wrappings follow the prescriptions of the D.L.g. n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.

RECOMMENDED DOSES - Kg./Ha	
Tree crops	1.000 - 2.000
Vines	1.200 - 1.800
Horticultural crops (open field)	1.200 - 1.700
Greenhouses	1.800 - 3.500
Cereals	900 - 1.700
Grasslands	1.500 - 2.100
Mix for pot plants soils/turfs	3% - 5%

Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.

ORGANIC FERTILIZERS NP



Primo460

Mixture of organic fertilizers NP

N	P	K	CaO	MgO	C	U.F.
4	6	-	8	0,25	21	39,3

Biological

FINEST AND ENRICHED ORGANIC MATERIAL

Primo, belongs to the innovative product line based on **organic fertilizer NP (Ca)** which are made of natural organic matrices like noble proteins, amino acids and peptides all put together with appropriately selected Calcium and Magnesium tectosilicates: they have the multiple target of enhancing the organic matter and Humus in the soil in order to obtain a unit output, improve product-processing quality standards, solubilize all elements accrued in the soil so that any plant can get what is needed when needed.

Completely free from toxic contaminants, **Nitrogen, Phosphorus, and Calcium from organic sources** are available immediately and progressively, respecting the microflora of the soil, allowing those useful micro-organisms to perform their function of "organic digestion".

The selected Calcium and Magnesium tectosilicates can positively affect the cation exchange capacity; they guarantee the gradual and progressive release of water and other nutrients (which otherwise would have been leached); they also ensure the soil is constantly humid and the air can freely circulate (they avoid stress and asphyxia in the roots and promote useful micro-organisms activities).

Primo460 is the perfect balance between nutrients immediately available, in the medium and long term, required by the plants especially at the first stage of their creation. It's excellent for an effective basal fertilization on cultures with poor remuneration.

Primo460: soil fertility and plants feeding.

COMPOSITION

Nitrogen	(N)	organic	4 %
Phosphoric anhydride	(P ₂ O ₅)	total	6 %
Potassium oxide	(K ₂ O)	soluble in water	0,25 %
Calcium oxide	(CaO)	total	8 %
Magnesium oxide	(MgO)	total	0,25 %
Iron	(Fe)	soluble in water	152 mg./Kg.
Manganese	(Mn)	soluble in water	4,8 mg./Kg.
Zinc	(Zn)	soluble in water	7,2 mg./Kg.
Organic Carbon	(C)	biological origin	21 %
Proteins			25 %
Reaction (1:5) pH			6
Chromium	(Cr)	total	-

RAW MATERIALS

ORGANIC COMPONENT

Hydrolysed slaughter residues, Meat meal(fleshing), Ruffett of bones, dry blood, natural horns

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.

selected tectosilicates inside



PACKAGING

Bags	Kg. 25 (n°60/pallet)
Big Bags	Kg. 500/each
Form	Powder or mini pellets (die ø 3,5 mm.)



Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.

RECOMMENDED DOSES - Kg./Ha

Tree crops	700 - 1.500
Vines	900 - 1.300
Horticultural crops (open field)	900 - 1.200
Greenhouses	1.500 - 3.000
Cereals	600 - 1.200
Grasslands	1.200 - 1.800
Mix for plants soils/turfs	3% - 5%

The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.

ORGANIC FERTILIZERS NP

PROSPERITY IN THE LAND



Primo460 (Fe)

Mixture of organic fertilizers NP

N	P	K	CaO	MgO	SO ₃	Fe	C	U.F.
4	6	-	8	0,25	7	5	21	51,3

Biological

FINEST ORGANIC MATERIAL ENRICHED WITH IRON

Primo, is the our new and innovative product line based on **organic fertilizer NP (Ca)** which are made of natural organic matrices like noble proteins, amino acids and peptides all put together with appropriately selected Calcium and Magnesium tectosilicates: they have the multiple target of enhancing the organic matter and Humus in the soil in order to obtain a unit output, improve product-processing quality standards, solubilize all elements accrued in the soil so that any plant can get what is needed when needed.

Completely free from toxic contaminants, **Nitrogen, Phosphorus, and Calcium from organic sources** are available immediately and progressively, respecting the microflora of the soil, allowing those useful micro-organisms to perform their function of "organic digestion".

The selected Calcium and Magnesium tectosilicates can positively affect the cation exchange capacity; they guarantee the gradual and progressive release of water and other nutrients (which otherwise would have been leached); they also ensure the soil is constantly humid and the air can freely circulate (they avoid stress and asphyxia in the roots and promote useful micro-organisms activities).

Primo460 (Fe) stems from the Primo460 enrichment with iron sulphate: it's necessary on alkaline soils where Iron is stuck and it's used as an immediate availability of iron and organic nitrogen at the first stage of the plant's formation. It's excellent for an effective basal fertilization on cultures with poor remuneration.

Primo460 (Fe): soil fertility and plants feeding.

COMPOSITION			
Nitrogen	(N)	organic	4 %
Phosphoric anhydride	(P ₂ O ₅)	total	6 %
Potassium oxide	(K ₂ O)	soluble in water	0,25 %
Calcium oxide	(CaO)	total	8 %
Magnesium oxide	(MgO)	total	0,25 %
Sulphuric anhydride	(SO ₃)	total	7 %
Iron	(Fe)	soluble in water	5 %
Manganese	(Mn)	soluble in water	5,2 mg./Kg.
Zinc	(Zn)	soluble in water	76,4 mg./Kg.
Organic carbon	(C)	biological origin	21 %
Proteins			25 %
Reaction (1:5) pH			5,5
Chromium	(Cr)	total	-

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.

RECOMMENDED DOSES - Kg./Ha

Tree crops	500 - 1.000
Vines	500 - 900
Horticultural crops (open field)	400 - 800
Greenhouses	600 - 1.000
Cereals	400 - 700
Grasslands	400 - 800

tectosilicates selected inside



PACKAGING

Bags Kg. 25 (n°60/pallet)

Big Bags Kg. 500/each

Form Powder or mini pellets (die ø 3,5 mm.)



The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.

RAW MATERIALS

Product obtained beginning only from FERTILIZERS of D.lgs. 75/2010, Attached 13, Table 1	ORGANIC COMPONENT
	Hydrolised slaughter residues, fleshings, Ruffett of bones, dry blood, natural horns
	MINERAL COMPONENT
	Salt (sulphate) of Iron

Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.

ORGANIC FERTILIZERS NP



Primo690

Mix of organic fertilizers NP

N	P	K	CaO	MgO	C	U.F.
6	9	-	12	0,38	31	58,4

Biological

THE BEST FERTILIZER FOR VERSATILITY, ADAPTABILITY, AND FINAL RESULTS

Primo, is the innovative product line based on **organic fertilizers NP (Ca)** which are made of natural organic matrices like complete proteins, amino acids and peptides, all put together with appropriately selected Calcium and Magnesium tectosilicates: they have the multiple target of enhancing the organic matter and Humus in the soil in order to obtain a unit output, improve product-processing quality standards, solubilize all elements accrued in the soil so that any plant can get what is needed when needed.

Completely free from toxic contaminants, **Nitrogen, Phosphorus, and Calcium from organic sources** are available immediately and progressively, respecting the microflora of the soil, allowing those useful micro-organisms to perform their function of "organic digestion".

The selected Calcium and Magnesium tectosilicates can positively affect the cation exchange capacity; they guarantee the gradual and progressive release of water and other nutrients (which otherwise would have been leached); they also ensure the soil is constantly humid and the air can freely circulate (they avoid stress and asphyxia in the roots and promote useful micro-organisms activities).

Primo690 is the forefather of the "Primo Family". With its qualifications it is the perfect fertilizer both in the pre-transplantation phase, because thanks to the contribution of high-quality phosphorus and calcium it favors the growth of the roots and the plant, and in the covering phase, as it increases the fertility of the soil, stimulates the formation of new roots and provides an adequate amount of organic nitrogen to immediate, medium and long release.

Optimal for any type of cultivation (arboreal or herbaceous), it influences the pH of the soil to favor the release of the nutritive elements stuck in the ground.

Primo690: soil fertility and plant nutrition.

COMPOSITION			
Nitrogen	(N)	organic	6 %
Phosphoric anhydride	(P ₂ O ₅)	total	9 %
Potassium oxide	(K ₂ O)	soluble in water	0,38 %
Calcium oxide	(CaO)	total	12 %
Magnesium oxide	(MgO)	total	0,38 %
Iron	(Fe)	soluble in water	202 mg./Kg.
Manganese	(Mn)	soluble in water	6,4 mg./Kg.
Zinc	(Zn)	soluble in water	93,7 mg./Kg.
Organic carbon	(C)	biological origin	31 %
Proteins			38 %
Reaction (1:5) pH			6
Chromium	(Cr)	total	-

RAW MATERIALS	
Product obtained beginning only from FERTILIZER of D.lgs. 75/2010, Attached 13, Table 1	ORGANIC COMPONENTS Hydrolysed slaughter residues, fleshings, Ruffett of bones, dry blood, natural horns

The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.

Selected tectosilicates inside



PACKAGING	
Bags	Kg. 25 (n°60/pallet)
Big Bags	Kg. 500/each
Form	Powder or mini pellets (die ø 3,5 mm.)



Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.

RECOMMENDED DOSES - Kg./Ha	
Tree crops	500 - 1.000
Vines	600 - 1.000
Horticultural crops (open field)	600 - 800
Greenhouses	1.000 - 2.000
Cereals	400 - 800
Grasslands	800 - 1.200

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.

ORGANIC FERTILIZERS NP



BIOS Agro Sprint

Mix of organic fertilizers NP (Ca)

N	P	K	CaO	C	U.F.
9	10	0,36	13	44	76,7

Complete formulation suitable for any cultivation

BIOS Agro Sprint is a mix of processed noble animal proteins, rich in amino acids and peptides, ready for absorption.

Suitable for any types of cultivation, both in full field and in protected crops, **BIOS Agro Sprint** releases the primary elements since the initial stage of being released in the soil allowing a constant transformation of the proteins and facilitating the release of nitrogen, phosphorus, calcium, micro-elements and humic and fulvic acids in a balanced way over time.

Apart from different organic Nitrogen forms that are present in order to make it available throughout the production cycle, its endowment of meso and micro elements makes it perfect in any farming stage and throughout the year in any season.

BIOS Agro Sprint can be used during transplantation process – in order to facilitate rooting – also to stimulate vegetative recovery after the plants' winter rest, and finally allows a well-balanced growth of the grassy and arboreal crops in extreme conditions like very hot or freezing times, salinity or difficult pH conditions, being a powerful stress-relief in biotic or abiotic challenging conditions.

selected tectosilicates inside



BIOS Agro Sprint



ORGANIC FERTILIZERS NP

COMPOSITION			
Nitrogen	(N)	organic	9 %
Phosphoric anhydride	(P ₂ O ₅)	total	10 %
Potassium oxide	(K ₂ O)	water soluble	0,38 %
Calcium oxide	(CaO)	total	13 %
Magnesium oxide	(MgO)	total	0,35 %
Iron	(Fe)	soluble in water	815,10 mg./Kg.
Manganese	(Mn)	soluble in water	8,7 mg./Kg.
Zinc	(Zn)	soluble in water	85,2 mg./Kg.
Carbon	(C)	organic of biological origin	44 %
Proteins (amino acid)			56,25 %
Reaction (1:5) pH			6,30
Chromium	(Cr)	total	-

PACKAGING	
Bags	Kg. 25 (n°60/pallet)
Form	Powder or mini pellets (die ø 3,5mm.)



RAW MATERIALS	
Product obtained only from beggingging FERTILIZERS of D.lgs. 75/2010, Attached 13, Table 1	ORGANIC COMPONENTS
	Natural hoof, fleshings, hydrolysed butchery residues, bones's ruffet, dry blood.

The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.



Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.

RECOMMENDED DOSES - Kg./Ha	
Tree crops	500 - 1.000
Vines	600 - 1.000
Horticultural crops (open field)	600 - 800
Greenhouses	1.000 - 2.000
Cereals	400 - 800
Grasslands	800 - 1.200

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.



BIOS Fertile D+

Mixture of organic fertilizers NP (Ca)

N	P	K	CaO	C	U.F.
9,5	9,5	0,63	11	45	75,9

FAST – MEDIUM – SLOW SCHEDULED RELEASE OF MACRO, MESO AND MICRO ELEMENTS

tectosilicates selected inside



BIOS Fertile D+ is a balanced mixture of the best animal proteins (amino acids and peptides) existing on the market. That mix is the result of tests performed by our technicians on the ground and from the experience of proven farmers. It has been studied to manure with progressive activities, scheduled and protracted over time (6 to 8 months), but at the same time releasing nutrients since the initial stage of manuring the fields.

BIOS Fertile D+, both powdered and in pellets, combines quickly with the soil, anticipating its biodegradation process, increasing the humic and fulvic acids and bringing nutrients (macro, meso and micro elements) which are naturally involved in its mixture, and releasing them in short/medium terms, keeping under control any deficiencies, preventing onsets of chlorosis and without releasing any scrap of limestone.

BIOS Fertile D+ is ideal for very demanding crops like flowers, first fruits and in mixed-soils. It is essential to spread it uniformly on the soil before ploughing and/or milling; dosed twice a year, it's an excellent support for intensive crops.

BIOS FERTILE D+

PACKAGING

Bags	Kg. 25 (n°60/pallet)
Big Bags	Kg. 500/each.
Form	Powder o mini pellets (die ø 3,5 mm.)



ORGANIC FERTILIZERS NP

COMPOSITION

Nitrogen	(N)	organic	9,5 %
Phosphoryc anhydride	(P ₂ O ₅)	total	9,5 %
Potassium oxide	(K ₂ O)	water soluble	0,63 %
Calcium oxide	(CaO)	total	11 %
Magnesium oxide	(Mgo)	total	0,31 %
Iron	(Fe)	soluble in water	716,7 mg./Kg.
Manganese	(Mn)	soluble in water	5,55 mg./Kg.
Zinc	(Zn)	soluble in water	76,4 mg./Kg.
Carbon	(C)	biological origin	45 %
Proteins (amino acid)			59,37 %
Reaction (1:5) pH			6,08
Chromium	(Cr)	total	-

RECOMMENDED DOSES - Kg./Ha

Tree crops	500 - 1.000
Vines	600 - 1.000
Horticultral crops (open field)	600 - 800
Greenhouses	1.000 - 2.000
Cereal	400 - 800
Grasslands	800 - 1.200



The recommended doses are indicative, must be increased and / or decreased taking into account: the climatic characteristics of the area of interest, fertility, water retention, soil structure, crop variety, the equipment used and the experience of the entrepreneur agricultural. In any case it is recommended to avoid concentrations of the product near the seed and / or roots.

RAW MATERIALS

Product obtained only from beginning FERTILIZERS of D.lgs. 75/2010, Attached 13, Table 1	COMPONENTI ORGANICI
	Hydrolysed butchery residues, meat meal (fleshings), bones's ruffet, dry blood, Fleshings, natural

Restrictions on use - Article 11, paragraph 1, letter c) of Reg. EC / 1069/2009: The feeding of farm animals with herbaceous plants, taken through pasture or administered after being harvested, coming from land on which organic fertilizers or soil improvers other than manure have been applied, unless grazing or cutting of the grass takes place at the expiry of a waiting period of at least 21 days to ensure adequate control of health risks for public and animals.

TOPSOIL'S PREPARATION

	Kg./m. ³
Seedlings	2 - 3
pot and bedding plants, cut flowers	5 - 8
Trees	8 - 12

Mix well to obtain the homogeneously fertilized topsoils

The analytical data indicated on the packages follow the provisions of the Legislative Decree no. 75 of 29/04/2010 and subsequent amendments and / or additions. All data reported in this publication are indicative, BIOS s.r.l. reserves the right to modify them without prior notice.



AzoPro S

Organo-mineral nitrogenous (S)

N	P	K	SO ₃	C	U.F.
15			31	13	59

Conventional

Slow-release. It doesn't cause burns.

AzoPro S is a balanced mixture made of the best animal proteins available on the market. Indicated for alkaline soils as a consequence of its high allocation in terms of SO₃, it aims to the reduction in soil pollution through the deployment of an adequate quantity of **Nitrogen**, provided as a result of the organic and ammoniacal proportion. The recommended quantity for hectare widely falls under the parameters imposed by the Nitrates Directive without negatively affecting the qualitative and quantitative crop production and also keeping an eye on costs for an appropriate economic return of the agricultural holding.

AzoPro S contains selected tectosilicates mixed up together with raw materials: they are produced with a particular manufacturing technique, they make the product uniform in its physical shape when collected into pellets. They can also be spread with any agricultural equipment, reducing that way the distribution costs. Getting in contact with damp, they quickly melt making, so that, the nutrients available.

The existing organic substance positively influences the cation exchange in the soil, the water and nutrients treatment, the latter are absorbed progressively according to the needs of the plant.

The composition and the balance between raw materials in **AzoPro S**, allow nutritional operations in crops with important savings compared to traditional fertilizers.

AzoPro S is definitely more effective and more efficient compared to the ammonium sulphate during agricultural production cycles, both for the influence on the pH of the soil, and for the balanced and the regular release over time of carbon and nitrogenous fraction.

COMPOSITION

Nitrogen	(N)	total	15 %
Nitrogen	(N)	organic	2,5 %
Nitrogen	(N)	ammonia	11 %
Nitrogen	(N)	ureic	1,5 %
Sulphuric anhydride	(SO ₃)	total	31 %
Organic Carbon	(C)	biological origin	13 %
Organic substance			23 %



RECOMMENDED DOSES - Kg./Ha

All crops	200 - 500
-----------	-----------

Use **AzoPro S** at 80% of quantity/hectare usually utilized compared to traditional Ammonium Sulphate

The recommended doses are indicative, must be increased and / or decreased taking into account: the climatic characteristics of the area of interest, fertility, water retention, soil structure, crop variety, the equipment used and the experience of the entrepreneur agricultural. In any case it is recommended to avoid concentrations of the product near the seed and / or roots.

tectosilicates selected inside



AzoPro S

PACKAGING

Bags	Kg. 25 (n°60/pallet)
Big Bags	Kg. 500/each
Form	Mini pellets (trafila ø 3,5 mm.)



RAW MATERIALS

ORGANIC COMPONENTS

Mix of nitrogenous organic fertilizers

MINERAL COMPONENTS

Ammonium sulphate

Restrictions on use - Article 11, paragraph 1, letter c) of Reg. EC / 1069/2009: The feeding of farm animals with herbaceous plants, taken through pasture or administered after being harvested, coming from land on which organic fertilizers or soil improvers other than manure have been applied, unless grazing or cutting of the grass takes place at the expiry of a waiting period of at least 21 days to ensure adequate control of health risks for public and animals.



The analytical data indicated on the packages follow the provisions of the Legislative Decree no. 75 of 29/04/2010 and subsequent amendments and / or additions. All data reported in this publication are indicative, BIOS s.r.l. reserves the right to modify them without prior notice.

NITROGEN ORGAN-MINERAL FERTILIZERS



BIOS NP 4 - 12

Organo-mineral fertilizer NP (Ca) with Iron (Fe) and Zinc (Zn)

N	P	K	CaO	Fe	Zn	C	U.F.
4	12	0	20	0,5	0,1	17	53,6

Conventional

STRUCTURAL STRENGTH INDUCER

It's an organo-mineral fertilizer NP (Ca) with Iron and Zinc. Made of different noble (animals and vegetables) matrices and prepared specifically to facilitate the well-meaning action of humic and fulvic acids in the ground. The presence of both **Calcium** and **Phosphorus** (normally not miscible), available in a balanced manner, make that product excellent for a basal dressing.

Created to stimulate the fast and strong growth of the root structure and to give strength and resistance to the aerial part of the plants, it strengthens the plants during the raising stage, limiting and preventing bending, breakups, stimulating the plant to be less easily blown over, under the pressure of bad weather conditions.

BIOS NP 4 - 12 is the best at the lower price, thanks to its specific composition and the right balance between its constituent elements.

Iron obtained from ferrous sulphate pushes the pH towards acidity, making available again all the blocked nutritional elements in the soil; the product can also influence the plant's colouring since the beginning; moreover, it can act as a catalyst for the breathing processes and the formation of chlorophyll molecules. The active forms of the iron are complex organic compounds like some proteins, lipids and enzymes, particularly abundant in fresh leaves.

Zinc facilitates the Phosphorus absorption, works as a catalyst in redox reactions within the cells, is involved in the formation of chlorophyll and the hormones which regulate the growth of the plants. It's fundamental for the protein synthesis, works as a ribosome stabilizer as they are required for the formation of polypeptides from single amino acids. It's necessary for the relaxation of cells. Within the plant, where it's always located in very tiny quantities, it's an extremely variable component. It has an antagonistic action against Iron while is often synergic with Copper and Magnesium.

COMPOSITION

Nitrogen	(N)	total	4 %
of witch: Nitrogen	(N)	organic	3 %
of witch: Nitrogen	(N)	ureic	1 %
Phosphoric anhydride	(P ₂ O ₅)	soluble only in mineral acids (P ₂ O ₅ total)	12 %
Phosphoric anhydride	(P ₂ O ₅)	soluble in neutral ammonium citrate in water	3 %
Carbon	(C)	biological origin	17 %
Calcium oxide	(CaO)	total	20 %
Iron	(Fe)	soluble in water	0,5 %
Zinc	(Zn)	soluble in water	0,1 %

RECOMMENDED DOSES - Kg./Ha

Tree crops	600	-	1.200
Horticultural crops (open field)	300	-	900
Greenhouses	700	-	1.500

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.

tectosilicates selected inside



BIOS NP 4-12

PACKAGING

Bags	Kg. 25 (n° 60/pallet)
Big Bags	Kg. 500/each
Form	Powder or mini pellets (die ø 3,5 mm.)



RAW MATERIALS

ORGANIC COMPONENTS

Mix of nitrogenous organic fertilizer, Mix of organic fertilizer NP

MINERAL COMPONENTS

Pliable natural phosphate, Iron's salt (sulphate), Urea, Zinc's salt (sulphate)

Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.



The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and/or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.

ORGAN-MINERAL FERTILIZERS NP



GranCereali NP

Organo-mineral fertilizer NP (Ca) with Iron (Fe) and Zinc (Zn)

Conventional

N	P	K	Ca	Fe	Zn	C	U.F.
8	12	0	20	0,5	0,1	17	57,6

selected tectosilicates inside



ORGAN-MINERAL FERTILIZERS NP

It's an **organo-mineral fertilizer NP** made of different noble matrices arising from animal proteins and specifically prepared to promote, right from the start, the degradation of humic and fulvic acids, in order to facilitate the stability of the mineral colloids and to influence the Cation Exchange Capacity (and therefore the detention of free cations), in order to successfully manage farmlands (especially the clay ones), making them more fertile. It's suitable for any cultivation, but it's definitely the best for cereals. Phosphorus and Calcium are usually immiscible; in **GranCereali NP** they co-exist and they are digested by plants in short, mid and long terms, making this product ideal for a basal dressing. It has been created to stimulate the growth of the root structure as strong and fast as possible in order to make the plant hard and resilient; the product can also strengthen the plants during the rising stage, limiting and preventing bending, breakups, stimulating the plant to be less easily blown over, under the pressure of bad weather conditions. Its composition results to be the best at the lowest price compared to competing products. **Iron** act as a catalyst for breathing processes and it's fundamental for the formation of the chlorophyll molecules. The active forms of the iron are complex organic compounds like some proteins, lipids and enzymes, particularly abundant in fresh leaves. The **Zinc** is fundamental for the protein synthesis and works as a ribosome stabilizer as they are required for the formation of polypeptides from single amino acids.

GranCereali NP facilitates rooting, strengthens the structure of the plants protecting them from special weather events. It doesn't release limestone.

GranCereali NP: growth rate, strong plants, resistance to adversities, all in one product!



COMPOSITION			
Nitrogen	(N)	total	8 %
Nitrogen	(N)	organic	3 %
Nitrogen	(N)	ureic	5 %
Phosphoric anhydride	(P ₂ O ₅)	soluble only in mineral acids (P ₂ O ₅ total)	12 %
Phosphoric anhydride	(P ₂ O ₅)	neutral ammonium citrate and water soluble	3 %
Carbon	(C)	biological origin	17 %
Calcium oxide	(CaO)	total	20 %
Iron	(Fe)	soluble in water	0,5 %
Zinc	(Zn)	soluble in water	0,1 %

PACKAGING

Bags	Kg. 25 (n° 60/pallet)
Big Bags	Kg. 500/each
Form	Powder or mini pellets (ø 3,5 mm.)

Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.

RAW MATERIAL	ORGANIC COMPONENTS
	Mixture of nitrogenous organic fertilizers, Mixture of organic NP
	MINERAL COMPONENTS
	Soft natural phosphate, Urea, Salt (sulphate) of iron, Salt (sulphate) of Zinc

RECOMMENDED DOSES - Kg./Ha

Tree crops	600 - 1.200
Vegetable crops (open field)	300 - 900
Greenhouses	700 - 1.500

The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and /or Integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.



The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.

PROSPERITY IN THE LAND



Noce & Nocciolo NP

Organ-mineral fertilizers NP (Ca) with Boron (B)

N	P	K	CaO	B	C	U.F.
10	5	0	8	0,01	16	39,01

Conventional

Noce & Nocciolo NP is a *organ-mineral fertilizer NP*, formulated with high quality of raw materials by animal origin (noble proteins), vegetable and mineral, among which microelements as **Boron** and Iron, necessities for this tree crops.

Noce & Nocciolo NP contributes, with only one administration to greater terrain fertility and to productivity's increase and quality of harvest.

tectosilicates selected inside



Noce & Nocciolo NP

PACKAGING

Bags	Kg. 25 (n° 60/pallet)
Big Bags	Kg. 500/each
Form	Mini pellets (die ø 3,5 mm.)



RECOMMENDEND DOSES - Kg./Ha

Tree crops	600 - 800
------------	-----------

Restrictions on use - Article 11, paragraph 1, letter c) of Reg. EC / 1069/2009: The feeding of farm animals with herbaceous plants, taken through pasture or administered after being harvested, coming from land on which organic fertilizers or soil improvers other than manure have been applied, unless grazing or cutting of the grass takes place at the expiry of a waiting period of at least 21 days to ensure adequate control of health risks for public and animals.



COMPOSITION			
Nitrogen	(N)	total	10 %
Nitrogen	(N)	organic	3 %
Nitrogen	(N)	ureic	7 %
Phosphoric anhydride	(P ₂ O ₅)	soluble only in mineral acids (P ₂ O ₅ total)	5 %
Phosphoric anhydride	(P ₂ O ₅)	neutral ammonium citrate and water soluble	3 %
Calcium oxide	(CaO)	total	8 %
Boron	(B)	soluble in water	0,01 %
Organic Carbon	(C)	biological origin	16 %
Organic Substance			40 %



RAW MATERIALS

ORGANIC COMPONENTS	
Mix of organic fertilizer NP	
MINERAL COMPONENTS	
Urea, sodium borate	

The recommended doses are indicative, must be increased and / or decreased taking into account: the climatic characteristics of the area of interest, fertility, water retention, soil structure, crop variety, the equipment used and the experience of the entrepreneur agricultural. In any case it is recommended to avoid concentrations of the product near the seed and / or roots.

The analytical data indicated on the packages follow the provisions of the **Legislative Decree no. 75 of 29/04/2010 and subsequent amendments and / or additions**. All data reported in this publication are indicative, BIOS s.r.l. reserves the right to modify them without prior notice.

ORGAN-MINERAL FERTILIZERS NP



BIOS NP 10 - 6

Organo-mineral NP (Ca) with Iron (Fe)

N	P	K	CaO	Fe	C	U.F.
10	6	0	8	0,5	24	48,5

Conventional

STARTER EFFECT, STRENGTH AND COLOUR.

Organo-mineral fertilizer NP with Ca and Fe: it is an excellent stimulant in the first stage of the plant, without neglecting its strength and, with the appropriate **Iron** support, guarantees the photosynthetic activity since the beginning.

Its nitrogenous-ureic proportion guarantees the starter effect thanks to the immediate release of nitrogen inputs, while the organic fraction ensures its availability over time.

The **Calcium** from organic matrix provides the immediate availability of the fertilizer and in sufficient quantities until the maturation of the final product.

The presence of **Iron** sulphate influences the pH in the soil and promotes the assimilation of the cation facilitating the photosynthetic activity and, therefore, the growth rate of the plant.

The tectosilicates involved can limit the leaching of the nutritive elements (a function already performed by the organic substance), becoming an "intelligent tank" of the nutrient solution for the plants and an effective filter against the pollution of the underlying layers.

BIOS NP 10-6: the strong propulsion!

tectosilicates selected inside



BIOS NP 10-6

PACKAGING

Bags	Kg. 25 (n°60/pallet)
Big Bags	Kg. 500/each
Form	Powder or mini pellets (die ø 3,5 mm.)



ORGAN-MINERAL FERTILIZERS NP

COMPOSITION

Nitrogen	(N) total	10 %
Nitrogen	(N) organic	4 %
Nitrogen	(N) ureic	6 %
Phosphoryc anhydride	(P ₂ O ₅) soluble only in mineral acids (P ₂ O ₅ total)	6 %
Phosphoryc anhydride	(P ₂ O ₅) neutral ammonium citrate and water soluble	4 %
Calcium oxide	(CaO) total	8 %
Iron	(Fe) soluble in water	0,5 %
Organic Carbon	(C) biological origin	24 %
Organic Substance		41 %

RAW MATERIALS

COMPONENTS ORGANIC

Mix of organic fertilizer NP

COMPONENTS MINERAL

Urea, iron's salt (sulphate)

Restrictions on use - Article 11, paragraph 1, letter c) of Reg. EC / 1069/2009: The feeding of farm animals with herbaceous plants, taken through pasture or administered after being harvested, coming from land on which organic fertilizers or soil improvers other than manure have been applied, unless grazing or cutting of the grass takes place at the expiry of a waiting period of at least 21 days to ensure adequate control of health risks for public and animals.



RECOMENDED DOSES - Kg./Ha

Tree crops	400 - 600
Horticultural crops (open field)	300 - 600
Greenhouses	400 - 700

The recommended doses are indicative, must be increased and / or decreased taking into account: the climatic characteristics of the area of interest, fertility, water retention, soil structure, crop variety, the equipment used and the experience of the entrepreneur agricultural. In any case it is recommended to avoid concentrations of the product near the seed and / or roots.



The analytical data indicated on the packages follow the provisions of the Legislative Decree no. 75 of 29/04/2010 and subsequent amendments and / or additions. All data reported in this publication are indicative, BIOS s.r.l. reserves the right to modify them without prior notice.



UreaPro

Organ-mineral fertilizers NP (Ca)

Conventional

N	P	K	Ca	C	U.F.
25	5	0	8	18	56

CONTAINS SELECTED TECTOSILICATES. SLOW RELEASE, IT DOESN'T CAUSE BURNS.

UreaPro: it's a revolutionary fertilizer which aims at the reduction in air and soil pollution, especially with a decrease in the quantity of Nitrogen (chemical and mineral) generally used. The recommended quantity for hectare widely falls under the parameters imposed by the Nitrates Directive and allows a better qualitative and quantitative crop production, affecting positively the economic return of the agricultural holding.

UreaPro: it's a mixture of urea and noble proteins (amino acids and peptides). The peculiar manufacturing techniques make the product uniform and integrated in the shape of tiny pellets, particularly hard, so that it can be distributed with seeders and/or tamping machines and will dissolve in the event of humidity.

If the product is spread around the entire field with standard rotating manure spreader, even if it comes into contact with crops (young corn plants, etc) it doesn't cause any damage or burns like traditional urea, both for its original composition partially different, and for the lower recommended volumes.

Nitrogen, in ureic and organic solution, is linked to selected tectosilicates which allow a rise in the cation exchange, the proper retention of water and nutritional elements. It is available in short terms (ureic fraction) and in long terms (slow transfer of the organic component) based on the constant and continuous plants request. The product can absorb one and a half its own volume in water in order to make it available to the rooting structure of the plant, if needed, creating therefore a favourable environment which can eventually prevent water and/or nutritional stress. Compared to traditional urea, it's more efficient and effective, hampering Nitrogen losses due to run-off and/or sublimation: we advise to use **UreaPro** at 70-80% of traditional, amount per hectare.

selected itectosilicates inside



PACKAGING

Bag	Kg. 25 (n° 60/pallet)
Big Bags	Kg. 500/each
Form	Mini pellets (ø 3,5 mm.)



Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.

COMPOSITION			
Nitrogen	(N)	total	25 %
Nitrogen	(N)	organic	3,5 %
Nitrogen	(N)	ureic	21,5 %
Phosphoric anhydride	(P ₂ O ₅)	soluble only in mineral acids (P ₂ O ₅ total)	5 %
Phosphoric anhydride	(P ₂ O ₅)	neutral ammonium citrate and water soluble	4 %
Calcium oxide	(CaO)	total	8 %
Carbon	(C)	biological origin	18 %
Organic substance			31 %

Raw material	ORGANIC COMPONENTS	
	Mixture of NP organic fertilizers	
	MINERAL COMPONENTS	
	Urea	

RECOMMENDED DOSES - Kg./Ha

All Crops	200 - 500
-----------	-----------

(It is advisable to use UreaPro at about 80% of the usual amount / hectare of traditional Urea)
Example: "Kg. 300 x 80% = Kg. 240 / Ha"

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.



The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.

ORGAN-MINERAL FERTILIZERS NP



UreaPro NPiù

Organo-mineral fertilizers NP (Ca)

N	P	K	CaO	C	U.F.
25	10	0	16	10	61

Conventional

AGRO-ECOLOGICAL, SLOW-RELEASE.

UreaPro NPiù is a fertilizer unique for its characteristics as it presents **Calcium and Phosphorus** derived from organic matrix, carried around by the ureic starter effect. It enables a marked improvement in crops from a qualitative and quantitative point of view.

UreaPro NPiù is made of a mixture of urea, natural and tender phosphates and organic calcium which makes this product excellent for demanding crops. Created to stimulate the fast and strong growth of the root structure and to give strength and resistance to the plants themselves. Its processing makes the product uniform when collected in pellets, particularly hard, (can be spread with specific equipment), but the product melts quickly as soon as it gets in contact with damp.

Moreover, the presence of tectosilicates, integrated into the new formulas with noble proteins (amino acids and peptides) and /or with other raw material, acts perfectly the following functions: water reserve, adjustment and stabilization of the pH and finally the extended release of nutrients. If the product is spread around the entire field with a standard rotating manure spreader, even if it comes into contact with crops, it doesn't cause any damage or burns like traditional urea.

tectosilicates selected inside



UreaPro NPiù

PACKAGING

Bags	Kg. 25 (n° 60/pallet)
Big Bags	Kg. 500/each
Form	Mini pellets (die ø 3,5 mm.)

COMPOSITION			
Nitrogen	(N)	total	25 %
Nitrogen	(N)	organic	2 %
Nitrogen	(N)	ureic	23 %
Phosphoric anhydride	(P ₂ O ₅)	soluble only mineral acids (P ₂ O ₅ total)	10 %
Phosphoric anhydride	(P ₂ O ₅)	neutral ammonium citrate and water soluble	2,5 %
Carbon	(C)	biological origin	10 %
Calcium oxide	(CaO)	total	16 %



ORGAN-MINERAL FERTILIZERS NP

RAW MATERIALS

ORGANIC COMPONENTS

Mix of organic fertilizer NP

MINERAL COMPONENTS

Urea, soft natural phosphate

Restrictions on use - Article 11, paragraph 1, letter c) of Reg. EC / 1069/2009: The feeding of farm animals with herbaceous plants, taken through pasture or administered after being harvested, coming from land on which organic fertilizers or soil improvers other than manure have been applied, unless grazing or cutting of the grass takes place at the expiry of a waiting period of at least 21 days to ensure adequate control of health risks for public and animals.

RECOMMENDED DOSES - Kg./Ha

Tree crops 200 - 500

(It's recommended UreaPro at 80% about of quantity/hectare usually used of Urea traditional)
For example: "Kg. 300 x 80% = Kg. 240/Ha"

The recommended doses are indicative, must be increased and / or decreased taking into account: the climatic characteristics of the area of interest, fertility, water retention, soil structure, crop variety, the equipment used and the experience of the entrepreneur agricultural. In any case it is recommended to avoid concentrations of the product near the seed and / or roots.

The analytical data indicated on the packages follow the provisions of the **Legislative Decree no. 75 of 29/04/2010 and subsequent amendments and / or additions**. All data reported in this publication are indicative, BIOS s.r.l. reserves the right to modify them without prior notice.



ENERBIOS...logico NPK

Organo-mineral fertilizer NPK (Ca), (Mg), (S) with microelements "low in chloride"

N	P	K
5	8	5

CaO	MgO	SO ₃
11	2	7

B	Mn	Zn
0,1	0,1	0,1

C	U.F.
27	65,3

A COMPLETE NUTRIENT SUITABLE FOR ALL KINDS OF CULTIVATION

ENERBIOS...logico NPK: for a high quality biological basal fertilization, complete with all the basic elements. It contains selected tectosilicates necessary for a gradual release of nutrients for the entire production cycle. **Nitrogen** is totally organic and comes from complete animal proteins. The phase of transformation from protein into nitrogen is facilitated by the presence of humic and fulvic acids. **Phosphorus** and **Calcium** come from an organic matrix and, coexisting, are available both in immediate and medium-long times, favouring the formation of new roots and fortifying the plant. It does not release limestone.

The micromacination carried out on the raw materials used for **ENERBIOS...logico NPK**, allows an increase in the exchange surface in the soil and speeds up the transfer of nutrients and micro-nutrients. **ENERBIOS...logico NPK** is rich in organic substance, guaranteeing a neutral and stable pH over time.

selected tectosilicates inside



ENERBIOS... logico NPK

ORGAN-MINERAL FERTILIZERS NPK

COMPOSITION

Nitrogen	(N)	total	5 %
Nitrogen	(N)	organic	5 %
Phosphoric anhydride	(P ₂ O ₅)	soluble only in the mineral acids (P ₂ O ₅ total)	8 %
Phosphoric anhydride	(P ₂ O ₅)	neutral ammonium citrate and water soluble	5 %
Potassium oxide	(K ₂ O)	soluble in water	5 %
Organic Carbon	(C)	biological origin	27 %
Calcium oxide	(CaO)	total	11 %
Magnesium oxide	(MgO)	total	2 %
Sulphuric anhydride	(SO ₃)	total	7 %
Boron	(B)	soluble in water	0,1 %
Manganese	(Mn)	soluble in water	0,1 %
Zinc	(Zn)	soluble in water	0,1 %

PACKAGING

Bags	Kg. 25 (n° 60/pallet)
Form	Powder or mini pellets (die ø 3,5 mm.)



Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.

RAW MATERIALS

Product obtained beginning only from FERTILIZERS of D.lgs. 75/2010, Attached 13, Table 1	ORGANIC COMPONENTS
	Mix of organic fertilizers NP
	MINERAL COMPONENTS
	Potassium sulphate , Magnesium sulphate, natural pliable phosphate ,sodium borate, Zinc salt (sulphate) , Manganese salt (sulphate)

RECOMMENDED DOSES - Kg./Ha

Tree crops	800	-	1.500
Horticultural crops (open field)	600	-	1.200
Greenhouses	1.000	-	2.000
Vines	600	-	1.000
Cereals and Legumes	400	-	800
Grasslands	300	-	900

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.



The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.



Vite & Vita NPK

Organ-mineral fertilizer NPK (Ca), (Mg), (S) "low in chloride"

N	P	K	CaO	MgO	SO ₃	C	U.F.
5	8	10	10	2	12	28,5	75,5

GRAPES IN GREAT QUANTITY, FLAVOUR AND COLOUR

Vite & Vita NPK, comes from experiences accumulated over time, with continuous and repeated tests of our fertilizers on many vine varieties (for both wine and table purposes) in different areas, lands and climates. Created to obtain quality and quantity from grapes, it safeguards the fertility of soil, subsoil and human health by holding selected tectosilicates to increase the cation exchange capacity, the retention and the gradual release of water.

Vite & Vita NPK, has a great amount of organic substance; the pH is neutral; it holds microelements in natural form, humic and fulvic acids in significant quantities that allow the progressive and constant release of Nitrogen and Carbon in the course of time, as well as the transformation from protein into Nitrogen.

Nitrogen, comes from vinasse and complete animal proteins, positively influencing the quantity and quality of the grapes, the sugar content, the taste, the aroma and the colour.

Phosphorus and **Calcium**, coming from an organic matrix, increase the formation of new roots, strengthen and rejuvenate the plant with new, well-evident buds; they also reinforce the skin and thus resist insect bites.

Potassium comes from vinasse and sulphate; **Magnesium** is from sulphate; both release **Sulphur** into the soil acidifying it; they are linked to the organic matrix to be solubilized, assimilated and translocated totally without leaks.

The mixing and then the micromacination carried out on the raw materials used for **Vite & Vita NPK**, allow an increase in the exchange surface in the soil and speed up the transfer of nutrients; the present tectosilicates limit the leaching of the nutritive elements (a function already performed by the organic substance), becoming an "intelligent tank" of the nutrient solution for the plants and an effective filter against the pollution of the underlying layers.

Vite & Vita NPK does not release limestone.

COMPOSITION			
Nitrogen	(N)	total	5 %
Nitrogen	(N)	organic	5 %
Phosphoric anhydride	(P ₂ O ₅)	soluble only in mineral acids (P ₂ O ₅ total)	8 %
Phosphoric anhydride	(P ₂ O ₅)	neutral ammonium citrate and water soluble	6 %
Potassium oxide	(K ₂ O)	soluble in water	10 %
Calcium oxide	(CaO)	total	10 %
Magnesium oxide	(MgO)	total	2 %
Sulphuric anhydride	(SO ₃)	total	12 %
Organic Carbon	(C)	biological origin	28,5 %
Relationship C/N			5,7
Organic substance			50 %

RAW MATERIALS	
Product obtained only from beginning FERTILIZERS of D.lgs. 75/2010, Attached 13, Table 1	ORGANIC COMPONENTS
	Mix of nitrogenous organic fertilizer, Mix of organic fertilizer NP
	MINERAL COMPONENTS
	Potassium sulphate, Magnesium sulphate

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.

Selected Tectosilicates inside



Vite & Vita NPK

PACKAGING	
Bags	Kg. 25 (n° 60/pallet)
Form	Powder or mini pellets (die ø 3,5 mm.)



RECOMMENDED DOSES - Kg./Ha		
Table grapes vines	1.000	- 1.500
Wine grapes vines	600	- 800



Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.



The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.



WORLD NPK

Organo-mineral fertilizer NPK (Ca), (Mg), (S) with microelements "low in chloride"

N	P	K
6	6	8

CaO	MgO	SO ₃
8	2	10

B	Fe	Mn	Zn
0,1	1	0,1	0,1

C	U.F.
30	71,3

COMPLETE NUTRITION IN COMPLETE BIO SAFETY

It's a WORLD CLASS fertilizer! Rich and balanced with its own macronutrients, it differs by the presence of **Calcium, Magnesium, Sulphur and microelements**. Authorized in biological agriculture since the nitrogen is totally from an organic substance, its main characteristic is the versatility in its usage: slow-release **Nitrogen**, with basically zero environmental impact, influences meristematic apices and determines the plasticity of the cells; **Phosphorus** is available in short, medium and long terms as it comes from an organic matrix and affects the strength of the new sprouts, the reduced gap between the internodes and also acts in the protein synthesis and in the transport of energy in life processes (photosynthesis and breathing) conditioning the enzymatic activity; the **Potassium**, linked to the organic substance, is promptly available and influences biochemical processes where is involved, affecting preservability, colours and scents of agricultural products.

The organic **Calcium** strengthens the roots and the whole plant, can make it younger and influences the skin of new fruits and fresh leaves, ensuring more flexibility and resistance to external agents attacks.

Richness can be reached adding **Magnesium**: it has an important role in photosynthesis, presides to the formation of sugars, of proteins, of fats and vitamins; it's the activator of the enzymatic functions and regulator of the osmotic pressure; Magnesium participates in the formation of pigments, as the carotene and the xanthophylls, and can facilitate the transfer of the Phosphorus into the vegetative apices and in the seeds; finally it brings out the perfume and the intense and bright colouring of flowers fruits and vegetables.

Perfection is reached with the presence of **Sulphur**: it determines the composition of some enzymes and vitamins, stimulates the absorption of Nitrogen and Phosphorus, it's essential for the activity of some species of bacteria present in the soil, acts in proteins formation, plays a central role in the growing and in the developmental control of the plant and an eventual lack of Sulphur would reflect on qualitative and quantitative parameters of the harvest; it can also improve the physical and chemical characteristics of the ground, enhanced the fertility of the soil and finally reduce the pH level. The large amount of Sulphur in **WORLD NPK** guarantees rebalancing in deficient lands with high pH levels.

Selected Tectosilicates inside



WORLD NPK



PACKAGING

Bags	Kg. 25 (n° 60/pallet)
Form	Powder or mini pellets (die ø 3,5 mm.)



Excellence is finally enshrined with the presence of **Boron, Iron, Manganese, Zinc**, all essential for the adjustment of life functions of the plant.

The Tectosilicates hinder the nutrients leaching process (function already carried out by the organic substance), becoming an "intelligent container" for the nutrient solution in the plant and an effective filter against the pollution of underlying aquifers.

What really links all together is the 52% of organic substance which ensures that the plant gets all the required elements within the entire production cycle...and beyond.

WORLD NPK: that's why it's defined as a WORLD CLASS FERTILIZER!!!

RECOMMENDED DOSES - Kg./Ha

Tree crops	400 - 700
Horticultural crops (open field)	500 - 700
Greenhouses	500 - 700

Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.

RAW MATERIALS

Product obtained only from begginging FERTILIZERS of D.lgs. 75/2010, Attached 13, Table 1	ORGANIC COMPONENTS
	Mix of nitrogenous organic fertilizer, Mix of organic fertilizer NP
	MINERAL COMPONENTS
	Potassium sulphate, Iron's salt (sulphate), Magnesium sulphate, Sodium borate, Zinc's salt (sulphate), Manganese's salt (sulphate)

The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and/or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.

ORGAN-MINERAL FERTILIZERS NPK

COMPOSITION			
Nitrogen	(N)	total	6 %
Nitrogen	(N)	organic	6 %
Phosphoric anhydride	(P ₂ O ₅)	soluble only in mineral acids (P ₂ O ₅ total)	6 %
Phosphoric anhydride	(P ₂ O ₅)	neutral ammonium citrate and water soluble	4,5 %
Potassium oxide	(K ₂ O)	soluble in water	8 %
Calcium oxide	(CaO)	total	8 %
Magnesium oxide	(MgO)	total	2 %
Sulphuric anhydride	(SO ₃)	total	10 %
Boren	(B)	soluble in water	0,1 %
Iron	(Fe)	soluble in water	1 %
Manganese	(Mn)	soluble in water	0,1 %
Zinc	(Zn)	soluble in water	0,1 %
Carbon	(C)	biological origin	30 %
Organic substance			52 %

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.



AgrOливо NPK

Organo-mineral fertilizer NPK (Ca), (S) with Boron (B) "low in chloride"

N	P	K	CaO	SO ₃	B	C	U.F.
7	9	5	13	5	0.4	35	74.4

AgrOливо was born in 2003 in response to the request to set up a new organic fertilizer specifically made for olive trees, with the addition of high quality and organic raw material in order to enhance the content in Potassium and Boron, a microelement essential for crops.

The following raw materials have been added to **AgrOливо**: crude potassium salt (mining Potassium Sulphate) and sodium borate with the result of increasing water-soluble potassium (K₂O) by 5% and boron (B) by 0.4%.

The presence of a quantity of potassium, considered too low by some business operators, stems from the following arguments by the technicians working for BIOS: the used sulfate potassium is quickly assimilable thanks also to the association of the totally organic nitrogen, therefore it is deemed the correct quantity for the period of application of the fertilizer (autumn / winter). Eventually another portion of potassium, if necessary to the crops, must be integrated before the ripening of the fruits.

AgrOливо, has distinguished itself in different area with several soil types and also different weather conditions, thanks to its great nutritional elements. It's rich in organic substance, organic nitrogen derived from noble proteins and then rich in amino acids (free from proteins originating from tannery residues and therefore from heavy metals) like phosphorus, slow-acting calcium obtained from an organic substance and then totally soaked up with no release of limestone.

COMPOSITION			
Nitrogen	(N)	total	7 %
Nitrogen	(N)	organic	7 %
Phosphoric anhydride	(P ₂ O ₅)	soluble only in the mineral acids (P ₂ O ₅ totale)	9 %
Phosphoric anhydride	(P ₂ O ₅)	neutral ammonium citrate and water soluble	4,5 %
Potassium oxide	(K ₂ O)	soluble in water	5 %
Organic carbon	(C)	biological origin	35 %
Calcium oxide	(CaO)	total	13 %
Sulphuric anhydride	(SO ₃)	total	5 %
boron	(B)	soluble in water	0,4 %
Relationship C/N			5
Organic substance			60 %



The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.



PACKAGING	
Bags	Kg. 25 (n° 60/pallet)
Form	Powder or mini pellets (die ø 3,5 mm.)



Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.



RAW MATERIALS	
Product obtained beginning only from FERTILIZERS of D.lgs. 75/2010, Attached 13, Table 1	ORGANIC COMPONENTS
	Mix of organic fertilizers NP
	MINERAL COMPONENTS
	Sodium borate, Potassium sulphate

The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.

ORGAN-MINERAL FERTILIZERS NPK



WINNER NPK

Organ-mineral fertilizer NPK (Ca)

N	P	K	CaO
9	6	13	8

C	U.F.
28	64

Conventional

GUARANTEE OF SUCCESS, FROM BEGINNING TO END

WINNER NPK is a fertilizer rich in organic substance of biological origin, capable of stimulating effectively the work carried out by soil microorganisms, with its amount of ureic **Nitrogen**, while with its organic part it becomes a slow-release nitrogen tank.

The **Phosphorus** is largely available as it derives from an organic matrix: it can influence the strength of the plant, the distance between the internodes, and becomes for the plant an effective power supply and can finally affect the action of enzyme activity.

The **Potassium**, linked to the organic matter, is easily absorbed. Its elevated amount, linked to vegetal and animal matrices, is immediately available to the plant and it's capable of reducing shortcomings by effectively influencing biochemical processes, if involved. In high quantity, it enables the use of poor lands or with limited availability during the ripeness of the final product.

The presence of **Calcium**, finally, makes this product really complete, reinforcing roots and the whole plant, can make it younger and influences the skin of new fruits and fresh leaves, ensuring more flexibility and resistance to external agents attacks.

The presence of **tectosilicates** guarantees that the product is environmentally friendly since its role is to limit the leaching process in nutrients (function already carried out by the organic substance), by releasing the nutrient solution only if needed, becoming that way an efficient filter against the pollution of the underlying layers.

WINNER NPK is therefore a winning product also usable, in complete safety, in poor soil conditions.

Selected Tectosilicates inside



WINNER NPK

PACKAGING	
Bags	Kg. 25 (n° 60/pallet)
Form	Mini pellets (die ø 3,5 mm.)



RECOMMENDED DOSES - Kg./Ha	
Tree crops	400 - 700
Horticultural crops (open field)	500 - 700
Greenhouses	600 - 700

Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.



COMPOSITION			
Nitrogen	(N)	total	9 %
Nitrogen	(N)	organic	4,5 %
Nitrogen	(N)	ureic	4,5 %
Phosphoric anhydride	(P ₂ O ₅)	soluble only in mineral acids (P ₂ O ₅ total)	6 %
Phosphoric anhydride	(P ₂ O ₅)	neutral ammonium citrate and water soluble	4 %
Potassium oxide	(K ₂ O)	soluble in water	13 %
Calcium oxide	(CaO)	total	8 %
Organic Carbon	(C)	biological origin	28 %



The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.

RAW MATERIALS
ORGANIC COMPONENTS
Mix of organic fertilizer NP
MINERAL COMPONENTS
Potassium chloride, Urea, Potassium sulphate

The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.

ORGAN-MINERAL FERTILIZER NPK



NOCCIULIVO

Organo-mineral fertilizer NPK (S) with Boron (B) and Zinc (Zn)

N	P	K	CaO	SO ₃	B	Zn	C	U.F.
10	5	6	20	20	0,05	0,01	12	73,01

ALSO OPTIMAL FOR ORCHARDS

Nocciulivo is a fertilizer with a high amount of **Nitrogen** with a three-stages releasing model well-balanced with **Phosphorus** and **Zinc** in order to facilitate the formation and the protection of the bark and the lignin; the right amount in **Potassium** facilitates the ripeness of the fruit. Moreover, the high amount of **Zinc** tends to restore the soil pH level to the optimal values.

The Organic Substance in addition to the high value in **organic Carbon and Sulphur** break down leaves and oxygenate the soil.

Nocciulivo: it's a perfect and well-studied fertilizer to achieve the right manuring in Hazel groves, Walnut orchards, Olive grove and Chestnut groves and therefore, for the same reasons, it is absolutely appropriate for the manuring of Orchards in general.

COMPOSITION			
Nitrogen	(N)	total	10 %
Nitrogen	(N)	organic	1,5 %
Nitrogen	(N)	ammoniacca	5,7 %
Nitrogen	(N)	ureic	2,8 %
Phosphoric anhydride	(P ₂ O ₅)	soluble only in mineral acids (P ₂ O ₅ totale)	5 %
Phosphoric anhydride	(P ₂ O ₅)	neutral ammonium citrate and water soluble	3 %
Phosphoric anhydride	(P ₂ O ₅)	soluble in water	2 %
Potassium oxide	(K ₂ O)	soluble in water	6 %
Calcium oxide	(CaO)	total	20 %
Organic Carbon	(C)	biological origin	12 %
Sulfuric anhydride	(SO ₃)	soluble in water	20 %
Boron	(B)	soluble in water	0,05 %
Zinc	(Zn)	soluble in water	0,01 %



Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.

RAW MATERIALS	ORGANIC COMPONENTS	
	Dried manure, dried pollen, Mix of nitrogenous organic fertilizer, Mix of organic fertilizer NP	
RAW MATERIALS	MINERAL COMPONENTS	
	Urea, ammonium sulphate, Fertilizer NP 18/46 (biammonic phosphate), Potassium chloride, Sulphur, Potassium sulphate (salt)	

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.



NOCCIULIVO

PACKAGING

Bags	Kg. 25 (n° 60/pallet)
Big Bags	Kg. 500/each
Form	Pellets



RECOMMENDED DOSES AND CROPS

HAZELNUT TREE - WALNUT TREE - CHESTNUT TREE

Youngs plants	1,5	-	3	Kg./Plant
Adults plants	3	-	5	Kg./Plant
Broadcaster	6	-	10	Q.li/Ha

OLIVE TREE

Youngs plants	2	-	4	Kg./Plant
Adults plants	4	-	6	Kg./Plant
Broadcaster	8	-	12	Q.li/Ha

ORCHARD

Youngs plants	1	-	3	Kg./Plant
Adults plants	3	-	6	Kg./Plant
Broadcaster	7	-	12	Q.li/Ha
Soft fruits (strawberry, raspberry, blackberry, etc.)	6	-	7	Q.li/Ha
Horticultural crops (open field)	6	-	12	Q.li/Ha
Sunflower	6	-	7	Q.li/Ha

CEREALS

Fertilization after sowing	4	-	5	Q.li/Ha
----------------------------	---	---	---	---------

The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.



POKER NPK (Ca)

Organo-mineral fertilizer NPK (Ca), (Mg)

N	P	K
10	10	10

CaO
10

C	U.F.
23	63

Conventional

CERTAIN VICTORY, GUARANTEED SUCCESS

POKER NPK (Ca) is a balanced fertilizer between the NPK values and the Ca. Complete and with a great amount of organic matter of biological origin, it has a low C/N ratio which allows the fast availability of the nutritive elements and a beneficial action of fertilization. The micro-organisms present in the soil, stimulated by the presence of Nitrogen, quickly act to release the elements that otherwise would require a long time to transform into components assimilables from the plant.

N 10: The Nitrogen present is perfectly in equilibrium between its ureic component ("fast and medium" transfer) and the organic one from various matrices (fast, medium and slow release) to guarantee its availability for a long time and from the first moment.

P 10: Phosphorus is readily assimilable as it is absorbed on humus and fine limestone. Organic phosphorus accounts for 20-80% of phosphorus in a soil in the form of nucleoproteins; in combination with humus, it produces humus phosphates. Approximately humus releases 15 Kg. of P₂O₅ per year; the greater the organic substance, the higher the availability of P.

K 10: Potassium varies between 1 and 5% (by weight) of the soil; more than 90% is bound to silicates and released slowly. Potassium, if linked to the organic substance, is easily assimilated. The high presence of this element, linked to vegetable and animal matrices, is immediately available for the plant and able to limit deficiencies, effectively influencing the biochemical processes in which it is involved.

Ca 10: Calcium, finally, always in available quantity equal to the other three elements and coming from an organic matrix, increases the formation of new roots and strengthens the plant, rejuvenates it with new well-evident buds. It also influences the epidermis of the fruits and the young leaves ensuring greater elasticity and resistance to attacks by external agents. It does not release limestone. **The tectosilicates** in the mixture obstruct the leaching of the nutritive elements as they slowly release the solution and only "on request" from the plants, also acting as an effective filter against the pollution of the underlying layers.

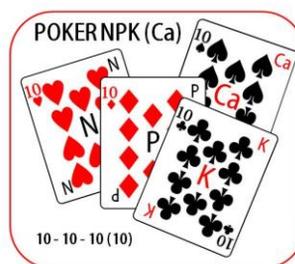
The result is a win in quality and quantity without any limit: a secure and guaranteed poker!

COMPOSITION			
Nitrogen	(N)	total	10 %
Nitrogen	(N)	organic	5 %
Nitrogen	(N)	ureic	5 %
Phosphoric anhydride	(P ₂ O ₅)	soluble only in mineral acids (P ₂ O ₅ total)	10 %
Phosphoric anhydride	(P ₂ O ₅)	ammonium citrate and water soluble	5 %
Potassium oxide	(K ₂ O)	soluble in water	10 %
Calcium oxide	(CaO)	total	10 %
Organic Carbon	(C)	biological origin	23 %
Organic Substance			48 %

RECOMMENDED DOSES - Kg./Ha		
Tree crops	300	- 400
Horticultural crops (open field)	300	- 500
Greenhouses	400	- 600

The recommended doses are indicative, must be increased and / or decreased taking into account: the climatic characteristics of the area of interest, fertility, water retention, soil structure, crop variety, the equipment used and the experience of the entrepreneur agricultural. In any case it is recommended to avoid concentrations of the product near the seed and / or roots.

Selected tectosilicates inside



PACKAGING

Bags	Kg. 25 (n° 60/pallet)
Form	Mini pellets (die ø 3,5 mm.)



Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.



RAW MATERIALS

ORGANIC COMPONENTS

Mix of nitrogenous organic fertilizer, Mix of organic fertilizer NP

MINERAL COMPONENTS

Potassium chloride, Urea, pliable natural phosphate

The analytical data indicated on the packages follow the provisions of the Legislative Decree no. 75 of 29/04/2010 and subsequent amendments and / or additions. All data reported in this publication are indicative, BIOS s.r.l. reserves the right to modify them without prior notice.

ORGAN-MINERAL FERTILIZERS NPK



AgroBovino Sulphur 50%

Different corrective - Sulphur for the agricultural use

N	P	K	S	C	U.F.
1	1	0,5	50	15	68

Biological

MORE ORGANIC SUBSTANCE – LOWER pH VALUES

The product arises only from animal droppings well-composted with elemental Sulphur. It's a unique product of its kind, since it combines a high contribution in nutrients and fertilizers and a significant influence in the light of a better physical structure of the soil itself and finally also by improving pH levels. It's specific for any crops which need a high quantity of soil improvers and fertilizers like: intensive crops, exhausted soils, loam soils to tone up but mostly its role is to reduce pH values in alkaline lands.

COMPOSITION

Humidity		9 %
Nitrogen	(N) total	1 %
Phosphoric anhydride	(P ₂ O ₅) total	1 %
Potassium oxide	(K ₂ O) soluble in water	0,5 %
Magnesium oxide	(MgO) soluble in water	0,5 %
Elemental sulphur	(S) total	50 %
Sulphuric anhydride	(SO ₃) total	122 %
Organic Carbon	(C) dry matter	15 %
Organic Substance		30 %
Relationship C/N		15
Humus	total	7,5 %
Humic Acids (su Humus)	total	10 %
Fulvic Acids (su Humus)	total	14 %



RECOMMENDED DOSES - Kg./Ha

Tree crops	400 - 700
Horticultural crops (open field)	500 - 800
Greenhouses	600 - 900
Cereals	300 - 500

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.

AgroBovino

SULPHUR 50%

PACKAGING

Bags	Kg. 25 (n°60/pallet)
Big Bags	Kg. 500/each
Form	Pellets



Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.

RAW MATERIALS

Product obtained only from begging FERTILIZERS of D.lgs. 75/2010, Attached 13, Table 1	ORGANIC COMPONENTS
	Bovine, equine, ovine compost
	MINERAL COMPONENTS
	Elemental sulphur



The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and/or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.

DIFFERENT CORRECTIVE



BIOS MeatFluid Ca & Mg

Organic nitrogen fluid fertilizers

N	P	K	CaO	MgO	C	U.F.
3	0	0	8	2	10	23

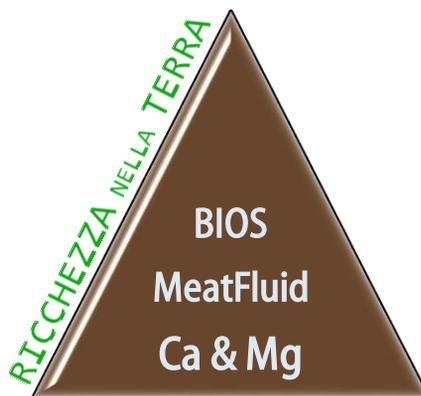
Conventional

CALCIUM AND MAGNESIUM: WHEN AND WHERE IT'S NEEDED

BIOS MEATFLUID CA & Mg is a liquid product with extremely high concentration in free amino acids and oligopeptides, where **Calcium** and **Magnesium** are completely mixed up with the organic fraction at a lower molecular weight. The amino acids, oligopeptides and polypeptides are extremely efficient in driving the full mineral fraction inside the cells until they reach the final destination, helping it to overcome all physical and chemical barriers placed in the cuticle of the leaves, in the cell wall and in the lymphatic system.

BIOS MEATFLUID CA & Mg is really efficient against the occurrence of the main plant diseases due to a lack in calcium (apical putrefaction in tomatoes and peppers, bitter pit in apples, cracks and rifts in cherry, peach, apricot trees and citrus fruit, dryness in melon leaves, margin leaves drying out in lettuce, endive and escarole leaves, etc) and a lack in magnesium (drying out in the green parts of vine or in lower leaves chlorosis in vegetables and fruit crops).

It's furthermore efficient to influence the ratio K/Mg in soils rich in Potassium and poor in Magnesium.



PACKAGING

Cardboard	(Bottle Pz. 20 x Kg.1)
Jug	Kg. 5 - 10 - 30 - 1.250
Form	Fluid

Storage temperature: >= 10° <=30°

Don't expose the container to direct sunlight. The product isn't combustible, and it's stable at ordinary temperatures and pressures. Dispose this product responsibly after use. Avoid contact with skin.

The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.

COMPOSITION

			P/P	equivalent to P/V at 20°C
Nitrogen	(N)	organic	3 %	3,7 %
Nitrogen	(N)	organic soluble	3 %	3,7 %
Carbon	(C)	organic	10 %	12,5 %
Calcium oxide	(CaO)	total	8 %	10,0 %
Magnesium oxide	(MgO)	total	2 %	2,5 %



RECOMMENDED DOSES

Fertigation
from Kg. 10 a Kg. 50 for ad/Ha
Foliar
from Kg. 1 a Kg. 6 for administration/Ha
Minimum level: foliar, in mix with plant protection products; foliar, for repeated use during the growing cycle
Maximum level: for calcium and/or magnesium deficiencies, in fertigation or foliar.

Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.

RAW MATERIALS

ORGANIC COMPONENTS

Meat processing residues

MINERAL COMPONENTS

Chloride's calcium of solution, chloride's magnesium of solution

The recommended doses have indicative value and should be increased or decreased considering the following: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.

ORGANIC NITROGEN FLUID FERTILIZERS



BIOS OrganFluid NK

Organic nitrogen fluid fertilizers - Fluid vinasse

N	P	K	C	U.F.
3	0	6	14	23

FUNCTIONAL FOR ALL GROWING STEPS, EXCELLENT IN FINAL PART OF THE CROP

BIOS OrganFluid NK is vegetable organic fertilizer, obtained by fermentations of sugar beet molasses.

BIOS OrganFluid NK is indicated for any fruits and vegetables crops, cereals grasslands, gardens and in nursery production of orchards, vegetables, ornamentals.

It contains many elements in adequate quantity indispensables for the development of the plants, as Mg, Zn, Fe, Cu, Mn, Ca, S, in a binding with organic substance. BIOS OrganFluid NK is efficient in the short, medium and long period.

BIOS OrganFluid NK can be distributed in all types of soils; the low level of C/N ratio helps the degradation and humus production from the residue crops because of it's an activator of bacterial degradative action in the soil.



PACKAGING

Jug	Kg. 5 - 10 - 30 - 1.200
Form	Fluid

Storage's temperature: >=4° <=35°
The product isn't combustible, and it's stable at ordinary temperature and pressures.



COMPOSITION				
		P/P	equivalent to P/V at 20°C	
Nitrogen	(N) organic	3 %	3,8 %	
Potassium oxide	(K ₂ O) soluble in water	6 %	7,8 %	
Organic Carbon	(C) biological origin	14 %	17,5 %	



RAW MATERIALS

Product obtained only beginning from FERTILIZERS of D.lgs. 75/2010, attached 13, Table 1	COMPONENTI ORGANICI
	Vinasse and vinasse's extracteds



RECOMMENDED DOSES AND HOW TO USE

Fertigation (quantity/intervention)	Kg./Ha		
	at drop	-	at rain
Tree crops	30	-	60
Horticultural crops (open field)	30	-	60
Greenhouses	30	-	90

Insert the diluted product since the first irrigation

The recommended doses are indicative, must be increased and / or decreased taking into account: the climatic characteristics of the area of interest, fertility, water retention, soil structure, crop variety, the equipment used and the experience of the entrepreneur agricultural. In any case it is recommended to avoid concentrations of the product near the seed and / or roots.

The analytical data indicated on the packages follow the provisions of the Legislative Decree no. 75 of 29/04/2010 and subsequent amendments and / or additions. All data reported in this publication are indicative, BIOS s.r.l. reserves the right to modify them without prior notice.



BIOS Fluid N 5

Organic nitrogen fluid fertilizers – fluid blood

N	P	K	C	U.F.
5	0	0,46	18	23,6

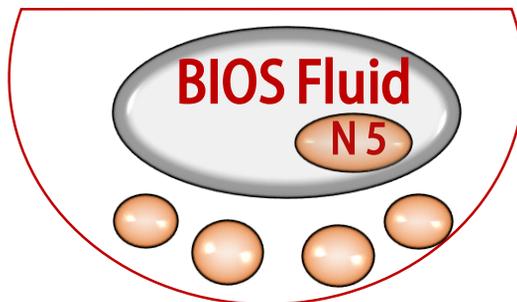
Biological

QUICK ABSORPTION, RICH OF NATURAL IRON

BIOS Fluid N 5 is a rapid and high efficiency fertilizer; it's indicated for foliar application and in fertigation in any fruit and vegetables crops, cereals, gardens, grasslands and in nursery production of orchards, vegetables, ornamentals.

BIOS Fluid N 5 obtained by special technique, it gives the characteristics and benefits of haemoglobin to the crops. It's rich of **Iron** and amino acids, useful for the organic **Nitrogen** from proteins. The Iron and amino acids also support the development of fulvic and umic acids. The high quality proteins and organic origin help Nitrogen to be released slowly.

It's bacterial activator, biostimulative, flavor enhancer and improver of flowers and fruits colours.



PACKAGING

Cardboard	(Bottle Pz. 20 x Kg.1)
Jug	Kg. 5 - 10 - 30 - 1.250
Form	Fluid

Storage's temperature: >=4° <=35°

The product isn't combustible, and it's stable at temperature and ordinary pressures.

RECOMMENDED DOSES AND HOW TO USE

Foliar (quantity/application)	Kg./Ha
With protection plants product	2 - 3
All crops	4 - 6
Fertigation (quantity/application)	Kg./Ha
Open field	5 - 15
Greenhouses	10 - 20
WARNING: Don't use with wettings and/or mineral oils	

Restrictions on use - Article 11, paragraph 1, letter c) of Reg. EC / 1069/2009: The feeding of farm animals with herbaceous plants, taken through pasture or administered after being harvested, coming from land on which organic fertilizers or soil improvers other than manure have been applied, unless grazing or cutting of the grass takes place at the expiry of a waiting period of at least 21 days to ensure adequate control of health risks for public and animals.



RAW MATERIALS

Product obtained only from beggining FERTILIZERS of D.lgs. 75/2010, Attached 13, Table 1	COMPONENTI ORGANICI
	Fluid blood

The analytical data indicated on the packages follow the provisions of the **Legislative Decree no. 75 of 29/04/2010 and subsequent amendments and / or additions**. All data reported in this publication are indicative, BIOS s.r.l. reserves the right to modify them without prior notice.

COMPOSITION

		P/P	equivalent to P/V at 20°C	
Nitrogen	(N) total	5 %	6,3 %	
Nitrogen	(N) organic	5 %	6,3 %	
Potassium oxide	(K ₂ O) soluble in water	0,46 %	0,58 %	
Iron	(Fe) soluble in water	0,11 %	0,14 %	
Organic Carbon	(C) biological origin	18 %	22,5 %	
Organic substance		39 %	48,8 %	
Relationship C/N		3,6	4,5	
Proteins (amino acid)		37,5 %	46,9 %	
Ash		1,47 %	1,8 %	
Reaction (1:5) pH		7,9	9,9	
Electric Conductibility to 25°C (1:5) mS/cm		6,04	7,6	



AMINO ACIDS

Aspartic acids	4,41%	Methionine	0,69%
Threonine	2,01%	Isoleucine	0,13%
Serine	2,27%	Leucine	5,70%
Glutamic Acid	3,30%	Tyrosine	1,11%
Proline	1,63%	Phenylalanine	3,17%
Glycine	1,84%	Lysine	3,60%
Alanine	3,64%	Histidine	2,83%
Cystine	0,21%	Arginine	1,54%
Valine	4,07%	Tryptophan	0,69%
Asparigine	0,01%	Glutamine	0,01%

The recommended doses are indicative, must be increased and / or decreased taking into account: the climatic characteristics of the area of interest, fertility, water retention, soil structure, crop variety, the equipment used and the experience of the entrepreneur agricultural. In any case it is recommended to avoid concentrations of the product near the seed and / or roots.



MIX FLUID N

FLUID MIXTURE OF ORGANIC NITROGENOUS FERTILIZERS

N	P	K	C	U.F.
5	0	2	19	26

Biological

STARTER EFFECT, ANTI-STRESS MIXED WITH HERBICIDES

It's a fluid organic nitrogenous fertilizer made of different noble matrices (animal and vegetable) prepared in order to release immediately humic and fulvic acids. The amino acids and peptides make it an excellent product for immediate action.

The amount of **Nitrogen** is totally soluble: it can influence the formation of new meristematic cells and can also guarantee the plasticity of the whole plant, while **Potassium**, despite the minimal quantity, creates the availability needed in order for the plant to grow by carving on the enzyme activity inside the cells and by contributing to the gaseous exchange between the internal and external part of the leaves.

Mix Fluid N stimulates the roots development thanks to the nitrogen immediately available, promotes microbial activities in the soil, increases the tolerance to abiotic stress (water-related, thermal or osmotic), extends the photosynthesis by protecting chloroplasts from ageing; the product creates better phosphorus and trace elements absorption and it's optimal as a stress relief during the herbicide process. It optimizes the initial growth of the plants by increasing, promptly, the availability of the right elements in the soil.

MIX FLUID N

COMPOSITION

		P/P	equivalent to P/V at 20°C
Nitrogen	(N) total	5 %	6,3 %
Nitrogen	(N) organic	5 %	6,3 %
Carbon	(C) organic	19 %	23,8 %
Potassium oxide	(K ₂ O) soluble in water	2 %	2,5 %

PACKAGING

Cardboard	(Bottle Pz. 20 x Kg.1)
Jug	Kg. 6 - 10 - 30 - 1.250
Form	Fluid

Storage temperature: >= 10° <= 30°

Don't expose the container to direct sunlight. The product isn't combustible, and it's stable at ordinary temperatures and pressures. Dispose this product responsibly after use. Avoid contact with skin.



RECOMMENDED USES AND HOW TO USE

Fertigation (quantity/application)	Kg./Ha	
	drop	rain
Tree crops	30	60
Horticultural crops (open field)	30	60
Greenhouses	30	90
Insert the diluted product since the first irrigation		
Foliar (quantity/application)	Kg./Ha	
	Min.	Max.
All crops (alone and/or in mix with plants protection production)	5	10
All crops (alone and/or in mix with herbicides)	10	20

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.



Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.

RAW MATERIALS

Product obtained only beginning from FERTILIZERS of D.lgs. 75/2010, Attached 13, Table 1	ORGANIC COMPONENTS
	Fluid blood, fluid fleshing in suspension, fluid vinasse

The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and/or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.

ORGANIC NITROGEN FLUID FERTILIZERS



MIX FLUID N Mg

FLUID MIXTURE OF ORGANIC NITROGENOUS FERTILIZERS

N	P	K	MgO	C	U.F.
5	0	2	2	18	30

DEVELOPMENT, COLOR, SPECIFIC WEIGHT, PROTEIC VALUE AND TASTE

It's a fluid organic nitrogenous fertilizer made of different noble matrices (animal and vegetable) with **Magnesium sulphate** (which also facilitates Sulphur) prepared in order to release immediately humic and fulvic acids. **Mix Fluid N Mg** encourages the growth of the plant since the initial stages, but it turns out to be a complete supporter also during the next stages of growing by keeping track of the plant according to following factors: the lengths between internodes, thickness, fullness, fibrousness with a reduced lignification.

The amount of **Nitrogen** is totally soluble and can influence the formation of new meristematic cells and can also guarantee the plasticity of the whole plant while **Potassium** influences perspiration by increasing the osmotic potential in the cells and by adjusting the stomas opening and closing mechanism; also, the potassium stimulates self-defence against pathogens and reduces susceptibility to frosts and plant diseases in general.

Magnesium makes this product extremely complete: it presides to the formation of sugars, proteins, fats and vitamins; it's the activator of enzymatic functions and regulator of the osmotic pressure; it's especially in fresh leaves and reproductive organs; it influences chlorophyll photosynthesis; Magnesium participates in the formation of pigments, as the carotene and the xanthophylls, and can facilitate the transfer of the phosphorus into the vegetative apexes and in the seeds. Particularly useful in limestone soils, it influences the Ca/Mg ratio which must be 3,5 and also in the Mg/K ratio which, in order to be balanced in soils, must be approximately 3.

Mix Fluid N Mg is extremely efficient because it brings to maturation without any risks: it fills in fruits by increasing the specific weight and the preservability, it anticipates the colour of fruits which grow up with a perfect elasticity in the epidermis and finally makes the entire structure of plants and fruits more resilient to pathogens, reducing the risk of over-maturing.

MIX FLUID N

with Mg magnesium

PACKAGING	
Cardboard	(Bottle Pz. 20 x Kg. 1)
Jug	Kg. 6 - 10 - 30 - 1.250
Form	Fluid

Storage temperature: >= 10° <=30°
Don't expose the container to direct sunlight. The product isn't combustible, and it's stable at ordinary temperatures and pressures. Dispose this product responsibly after use. Avoid contact with skin.

COMPOSITION				
		P/P	equivalent to P/V at 20°C	
Nitrogen	(N) total	5 %	6,3 %	
Nitrogen	(N) organic	5 %	6,3 %	
Carbon	(C) organic	18 %	22,5 %	
Potassium oxide	(K ₂ O) soluble in water	2 %	2,5 %	
Magnesium oxide	(MgO) total	2 %	2,5 %	
Sulphuric anhydride	(SO ₃) total	3 %	3,8 %	

RAW MATERIALS	
Product obtained beginning only FERTILIZERS of D.lgs. 75/2010, Attached 13, Table 1	ORGANIC COMPONENTS
	Fluid blood, fluid fleshings in suspension, fluid vinasse
	MINERAL COMPONENTS
	Magnesium sulphate

Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.

RECOMMENDED DOSES AND HOW TO USE		
Fertigation (quantity/intervention)	Kg./Ha	
	drop	rain
Tree crops	30	60
Horticultural crops (open field)	30	60
Greenhouses	30	90
Insert the diluted product since the first irrigation		
Foliar (quantity/intervention)	Kg./Ha	
	Min.	Max.
Various crops (alone and/or in mix with plants protection production)	5	10

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.



The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and/or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.



BIOS MeatFluid N 8,5

Organic nitrogen fluid fertilizers -
Fleshings fluid in suspension

N	P	K	C	U.F.
8,5	0	0	29,0	37,5

Biological

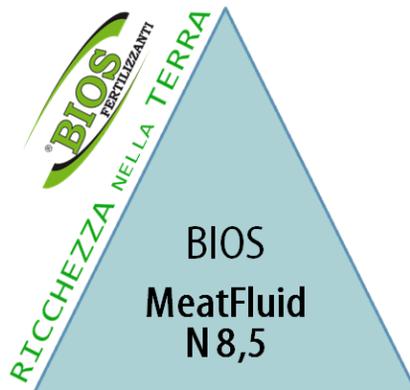
QUICK TRANSFER – HYDROLISED PRODUCT
(43% TOTAL AMINO ACIDS)

BIOS MeatFluid N 8,5 is a nitrogenous organic fluid fertilizer, with high and balanced level of amino acids.

BIOS MeatFluid N 8,5 is “quickly absorption” fertilizer and it is useful for the needs of the plant in proteins, enzymes, growth regulators, sugars, etc.

BIOS MeatFluid N 8,5, applying it constantly, it gives an uniform vegetative development and improve quality and yield of agricultural products, promoting their conservability; against stress (frosts, hail weeding, radical asphyxia), it helps the crops in all kinds of vegetative growth interruptions.

Finally, thanks to its wetting characteristics, anti-evaporate action and carrier functions, the use of **BIOS MeatFluid N 8,5** increases the efficiency of the use of plant protection products.



COMPOSITION			
		P/P	equivalent to P/V at 20°C
Nitrogen	(N) total	8,5 %	10,6 %
Nitrogen	(N) organic	8,5 %	10,6 %
Organic Carbon	(C) biological origin	29 %	36,3 %

PACKAGING	
Cardboard	(Bottle Pz. 20 x Kg.1)
Jug	Kg. 5 - 10 - 30 - 1.250
Form	Fluid

Storage temperature: >=4° <=35°
The product isn't combustible, and it's stable at ordinary temperature and pressure.



RAW MATERIALS	ORGANIC COMPONENT
	Hydrolysed proteins, Residues of manufacturing of meat

RECOMMENDED DOSES - Kg./Ha		
Fertigation (quantity/application)	Kg./Ha	
	drop	rain
Tree crops	30	60
Horticultural crops (open field)	30	60
Greenhouses	30	90
Foliar (quantity/intervention)		
from Kg. 1 a Kg. 6 for subministration/Ha		
Insert the diluted product since the first irrigation		

Restrictions on use - Article 11, paragraph 1, letter c) of Reg. EC / 1069/2009: The feeding of farm animals with herbaceous plants, taken through pasture or administered after being harvested, coming from land on which organic fertilizers or soil improvers other than manure have been applied, unless grazing or cutting of the grass takes place at the expiry of a waiting period of at least 21 days to ensure adequate control of health risks for public and animals.

The analytical data indicated on the packages follow the provisions of the Legislative Decree no. 75 of 29/04/2010 and subsequent amendments and / or additions. All data reported in this publication are indicative, BIOS s.r.l. reserves the right to modify them without prior notice.

ORGANIC NITROGEN FLUID FERTILIZERS



Boom! N 15

FLUID NITROGENOUS ORGANO-MINERAL FERTILIZER IN SUSPENSION WITH IRON (FE)

N	P	K	Fe	C	U.F.
15	0	0	1	4,5	20,5

Conventional

EXPLOSIVE PROPULSION

Boom! N 15, is a fertilizer created to obtain the maximum result with low costs: readily assimilable liquid ureic nitrogen, gives an explosive propulsion to the plant, especially in the stage of vegetative recovery after the winter rest. The sulphate iron influences the pH of the soil (favouring acidification in alkaline soils) and the absorption capacity of the plant of this element (the optimal absorption of the Iron ion is at pH 5.5 - 6). It is an excellent starting point to be followed by targeted fertilizations.

Well begun is half done!!

COMPOSITION

		P/P	equivalent to P/V at 20°C
Nitrogen	(N) total	15 %	18,8 %
Nitrogen	(N) organic	1 %	1,25 %
Nitrogen	(N) ureic	14 %	17,5 %
Iron	(Fe) soluble in water	1 %	1,3 %
Organic Carbon	(C) biological origin	5 %	5,6 %



PACKAGING

Jug	Kg. 5 - 10 - 30 - 1.250
Form	Fluid

Storage temperature: >= 10° <=30°

Don't expose the container to direct sunlight. The product isn't combustible, and it's stable at ordinary temperatures and pressures. Dispose this product responsibly after use. Avoid contact with skin.

Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.



RAW MATERIALS

ORGANICS COMPONENT

Fluid vinasse, Fleshings fluid in suspension

MINERAL COMPONENTS

Urea, Iron's salt (sulphate)

RECOMMENDED DOSES AND HOT TO USE

Fertigation (quantity/application)	Kg./Ha		
	drop	-	rain
Tree crops	30	-	60
Horticultural crops (open field)	30	-	60
Greenhouses	30	-	90

Insert the diluted product since the first irrigation

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.



The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.

ORGANO-MINERAL NITROGENOUS FLUIDS FERTILIZERS IN SUSPENSION



ORGA-MIN NK

FLUID ORGANO-MINERAL FERTILIZER NK IN SUSPENSION

N	P	K	C	U.F.
5	0	6	15	26

Conventional

TO OPTIMIZE MATURATION

The **ORGA-MIN NK** guarantees the contribution of **Potassium** in poor soils without neglecting the necessary quantity of **Phosphorus** and **Nitrogen**.

Nitrogen is assimilable and influences the formation of new meristematic cells, guaranteeing plasticity to the whole plant.

Phosphorus from an organic matrix is readily available: it influences the robustness of the different parts of the plant, becomes an effective reserve of energy and influences the action of the enzymatic activity.

Potassium influences the specific weight of the fruit, the colour, the taste and strongly affects the shelf life of the product in the post-harvest.

ORGA-MIN NK is the perfect combination of the elements for the nutrition during the maturation (fruit flowering and maturation)!!



COMPOSITION

		P/P	equivalent to P/V at 20°C
Nitrogen	(N) total	5 %	6,3 %
Nitrogen	(N) organic	3,5 %	4,4 %
Nitrogen	(N) ureic	1,5 %	1,9 %
Phosphoric anhydride	(P ₂ O ₅) soluble only in mineral acids (P ₂ O ₅)	1,5 %	1,9 %
Phosphoric anhydride	(P ₂ O ₅) soluble in water	1,5 %	1,9 %
Potassium oxide	(K ₂ O) soluble in water	6 %	7,5 %
Organic carbon	(C) biological origin	15 %	19 %

RAW MATERIALS	ORGANIC COMPONENTS	
	Mix of nitrogenous organic fluid fertilizer, Potassium salt B.T.C. (low chloride content)	
	MINERAL COMPONENT	
	Urea	

USE	Fertigation
DOSES	from Kg. 30 at Kg. 100 /Ha
HOW TO USE	Minimum dose level: several use during cultural cycle
	Maximum dose level: for vegetative growth and/or in stress conditions: transplantation, cold, weeding, salt excess, etc.

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.



PACKAGING

Jug	Kg. 5 - 10 - 30 - 1.250
Form	Fluid

Storage temperature: >= 10° <=30°

Don't expose the container to direct sunlight. The product isn't combustible, and it's stable at ordinary temperatures and pressures. Dispose this product responsibly after use. Avoid contact with skin.



Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.



The suitable analytical data on the wrappings follow the prescriptions of the D.L.gs n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.

ORGAN-MINERAL NK FLUID FERTILIZERS IN SUSPENSION



BIOS AZ fluid

FLUID ORGANO-MINERAL FERTILIZER NK IN SUSPENSION

N	P	K	C	U.F.
11	1,5	5	12	29,5

Conventional

FOR A SPRINT START AND A BALANCED MATURATION

It is a **liquid NK organo-mineral fertilizer in suspension**, with a great amount of organic nitrogen (noble animal and vegetable matrices) and ureic nitrogen, it is endowed with a slight presence of phosphorus and a good concentration of potassium. **The Nitrogen** contained in these forms favours the vegetative development, playing a fundamental role in all phases of growth and maturation of the plant; **Potassium** is important in regulating osmotic pressure and cell pH, and it is also a fundamental regulator of stomatal openings and therefore strongly influences the turgidity of the cell wall; the Nitrogen-Potassium complex is fundamental for the synthesis process and the reserve of sugars.

If administered in fertigation in the early stages of growth, it gives strong vigour to the plant, improving the development of the root system; it favours a better assimilation of soil elements thanks to its contribution of organic substance; it effectively supports the separation of axillary gems. If used in the final phase of production, the balance between the nutritive elements ensures a constant assimilation both during the flowering phase and the maturation of the fruits. It allows to solve problems of potassium deficiency without interrupting the process of formation of the final product (flower or fruit).



PACKAGING

Cardboard	(Bottle Pz. 20 x Kg.1)
Jug	Kg. 5 - 10 - 30 - 1.250
Form	Fluid

Storage temperature: >= 10° <= 30°

Don't expose the container to direct sunlight. The product isn't combustible, and it's stable at ordinary temperatures and pressures. Dispose this product responsibly after use. Avoid contact with skin.

COMPOSITION

			P/P	equivalent to P/V at 20°C
Nitrogen	(N) total		11 %	13,8 %
Nitrogen	(N) organic		3 %	3,8 %
Nitrogen	(N) ureic		8 %	10,0 %
Phosphoric anhydride	(P ₂ O ₅) soluble only in mineral acids (P ₂ O ₅)		1,5 %	1,9 %
Potassium oxide	(K ₂ O) soluble in water		5 %	6,3 %
Carbon	(C) organic		12 %	15,0 %



Restrictions on the use - Art. 11, paragraph 1, letter c) of the Reg.CE/1069/2009: The feeding of farmed animals with herbage, assumed through the pasture or administered after having been picked up, coming from farmland where organic fertilizers or soil improvers different from dung have been applied, unless the pasture or the cut of grass takes after a waiting period - at least 21 days, facing to guarantee a suitable risk assessment for the public and animal health.



Recommended doses (To avoid the contact with skin)

Crops	
Lettuces, Horticultural (fennel, cabbage, tomato, aubergine, pepper, zucchini, cucumber, ecc.), Garlic, Onion, Watermelon, Melon, Strawberry, Fruit (peach, apple, plum, table and wine grapes, kiwi, apricot, cherry, citrus fruit, ecc.), Tobacco, Industrial Crops (cereal, corn, grass, etc).	
Fertigation and/or rain irrigation	
from Kg. 10 a Kg. 30 / Ha	
Minimum dose level: several use during the crops cycle	
Maximum dose level: for vegetative growth and/or in stress conditions: transplantation, cold, weeding, salt excesses, etc.	

How to use

The recommended doses have indicative value and should be increased or decreased considering the follow: the pedoclimatic characteristic of the zone of interest, fertility, water retention, structure of soil, cultural variety, the equipment in use and finally the experience of the agricultural entrepreneur. In any case it is recommended to avoid concentrations of the product next to the seed and/or to the roots.

RAW MATERIALS

ORGANIC COMPONENTS

Mix of nitrogenous organic fertilizer fluid

MINERAL COMPONENTS

Urea, potash salt B.T.C. (low chloride content)

The suitable analytical data on the wrappings follow the prescriptions of the D.Lgs n. 75 of 29/04/2010 and following changes and /or integrations. All the data provided in the present publication are indicative, BIOS s.r.l. the right reserves its rights to modify them without obligation of warning.

ORGAN-MINERAL NK FLUID FERTILIZERS IN SUSPENSION