



fertil

Plant-Prod

The must-have of all fertilisers

Choosing a soluble fertiliser

PLANT-PROD is the must-have in its category thanks to:

- High dissolution speed
- High concentration,
- Constance in its composition
- perfect solubility,
- low salinity,

These quality are highly related. They are the result of a choice we made without compromise on raw materials, on a very sophisticated manufacturing with low unitary volumes. This is due to 50 years of experience.



ADVANTAGES OF THIS FERTILISER WITH HIGH QUALITY FORMULA

Fertilisation represents about 2 or 3% of the production costs in horticulture. Of course it is possible to prepare your own mixes, but:

- Any mistake can provoke the destruction of all your cultures
- An imperfect solubility will block the dosing pumps and lower the availability of the mineral elements;
- There are some raw materials that have exactly the same name and same guaranties but with a radical difference in terms of impurities ;
- Finally, a high technicality and skills are required to prepare the mixes and the fertilisation plans. This is a know-how that we have and that we use a lot in our company. For example, the antagonisms between elements require a real expertise.

PLANT-PROD philosophy

The aim of PLANT-PROD is to bring horticulturists, nurseries, green spaces managers, farmers or growers simple solutions, technically optimal and with a low cost:

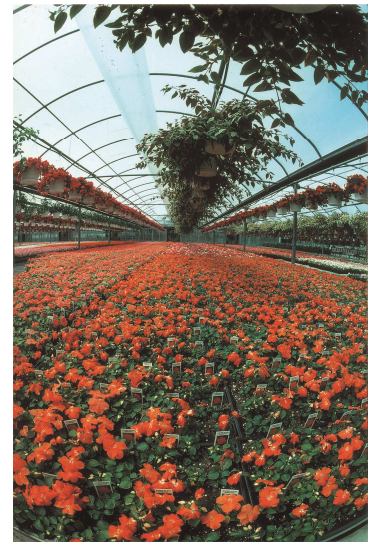
- EASY: because plants have needs pretty constants so that we don't have to modify the NPK balance during the culture ;

- OPTIMACY: because PLANT-PROD quality and FERTIL fertilisation plans gives to your cultures high security to get the best out of it.
- LOW PRICE : because if we take a look at the global price cost of fertilisation and not only the price per kilo, the PLANT-PROD solutions often surprise by their competitiveness compared to cheaper products.

Utilizations

PLANT-PROD has different ways to be used:

- Its high solubility and the constancy of its conductivity have him be the best product for fertilisation stations use.
- PLANT-PROD can also be sprayed without risks for the plants if you respect the doses preconized. The main utilisations are:
 - The continuous fertilisation la fertilisation of the high added value plants (pots plants, parent plants, young plants, chicory forcing, golf greens etc.). FERTIL is offering fertilisation plans in order to get as close as possible to the plant needs following the different parameters.
 - The occasional inputs in order to drive the plants metabolism towards the right path : roots stimulation (ex : 10-52-10), blooming or hardening (ex : 0-15-40).
 - The foliar inputs of complements to some critica stages of the plant's life or when the root system looks defective (asphixiation, parasites attacks...



PLANT-PROD characteristics

PLANT-PROD :

- is completely soluble,
- dissolves almost instantaneously in hot water
- doesn't create any form of deposit in the tanks nor the channels,
- can be used for any irrigation systems
- can have a foliar use, due to its high purity

MANUFACTURING PROCESSES

PLANT-PROD was created on an exclusive base (Turbo Process), especially developed by the producer. With it, you can control a high number of parameters which give PLANT-PROD a constant quality. Specifications are continuously controlled within very strict limits.

PURITY

The raw materials requirement specifications are very strict about purity. PLANT-PROD doesn't have any undesirable sulphates, or chlorides, or carbonates.

CONCENTRATION

Each molecule of the fertiliser is a nutrient. None of the components will damage the roots. One of the consequences is the « concentration » of the formulas. By adding the guaranteed contents N+P2O5+K2O, we usually reach 60 (20-20-20 or 15-15-30) or even 72 (10-52-10)!

SOLUBILITY

The high solubilities are changing according to the temperatures and the formulas. This last setting is important. The solution treatment triggers a brutal and quick downfall of the temperature from 12 to 15°C in a few seconds.

CONDUCTIVITY

The purity and the concentration in useful elements trigger a low level of salinity for high minerals inputs. You can see it from the low relative conductivity.

TRACE-ELEMENTS

Every PLANT-PROD formulas contain trace elements. The chelated chosen is the ethylene diamine tetra acetates (EDTA).

COLOURING

PLANT-PROD has a blue dyer that will enable you to detect its presence anywhere.

POTENTIAL ACIDIFYING OR ALKALIZING AGENT

The different formulas have a power more or less strong on the pH. They bring acidity to water, high or low, which is usually required given the regular alkalinity of waters. The formula 14-0-14 raises the pH which can also be useful. The solution has to be rated between 5.8 and 7 so that the nutrients assimilability reach the highest.

COMPATIBILITY

Most of the treatment products can be applied at the same tie with PLANT-PROD. It was created to prevent the molecules hydrolysis that might scatter during the fertilisation. In cold water, PLANT-PROD could even have a protective action. Fertilisation plans on demand.

PACKAGING

15 kg bags – 60 bags pallets.
20 kg bags – 42 bags pallets (PLANT-PROD Solutions)

PLANT-PROD – A full range

Réf.	N-P-K	N-NO ₃ %	N-NH ₄ %	Urée %	Remarques	Exemple d'utilisation	Solubilité g/L à 20°C	Conductiv. mS à 1g/L.	Potentiel acidif.
Spécialités									
211.00	0-15-40	-	-	-	2,90 MgO + traces	mise à fleur, à fruit, durcissement...	180	0,90	Nul
213.00	10-52-10	0,9	7,8	1,3	traces	enracinement, revigorant...	360	0,75	Fort
229.00	14-0-14	12,85	1,15	-	4,8 MgO + 8,2 CaO + trac.	jeune plants, apport Ca+Mg, élève le pH	410	1,26	Négatif
Avec urée									
205.00	28-14-14	4,1	2,75	21,15	traces	croissance végétative, rattrapage.	510	0,60	Fort
226.00	22-10-22	6,5	2,0	13,5	traces	Idem 20-20-20, moins dosé en P	520	0,85	Moyen
201.00	20-20-20	5,9	3,85	10,25	traces	universel + plantes vertes	440	0,85	Moyen
223.00	14-12-32	9,1	-	4,9	traces	Très acidifiante. Pour eaux dures	375	0,82	Très fort
203.00	15-15-30	8,8	2,95	3,25	traces	universel + plantes fleuries	410	1,10	Faible
227.00	18-5-35	9,5	-	8,5	traces	maturation, floraison, complète ac. phosphorique	360	0,88	Faible
206.00	17-10-30	8,9	1,9	6,2	traces		374	1,09	Faible
228.00	38-0-10	3	-	35	iron	irrigation fertilisante des gazons	690	0,35	Fort
Sans urée									
207.00	20-8-20	12,0	8,0	-	traces. renforc. en Mo	début culture, haute teneur nitrate (hiver)	500	1,30	Moyen
209.00	15-10-30	11,0	4,0	-	traces	début à fin culture, plantes fleuries...	385	1,35	Faible
216.00	8-16-40	8,0	-	-	traces	complète une autre source N, limite la croissance	320	0,9	Moyen

Formules Solutions Plant-Prod : nous contacter (documentation sur les formules Anti-élongation, Stabilisateur de pH, Complet et Acidifiant)

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