



PRODUCT INFO
& DATASHEET

SICOPHYTE AMINO -L liquid NPK 3-26-7 + 0.2 Mn + 0.2 Zn + AA (w/w)

**Unique EC fertiliser and biostimulant with Amino Acids,
Potassium Sulphite and chelated trace elements.**

03/2020

1. INTRODUCTION & PRODUCT ANALYSIS

SICOPHYTE AMINO -L is a unique liquid NPK fertiliser and biostimulant formulated with Potassium Phosphite.

Product analysis

*** PHYSICAL DATE :**

Appearance	:	brown, hazy liquid
Odour	:	distinctive
Solubility in water	:	100 %
Bulk Density	:	1.28 – 1.32 kg per litre
pH 1:100 w/v	:	5.5 +/- 5%

*** CHEMICAL DATA :**

		<u>weigh weight</u>
Nitrogen (N)	:	3% w/w
Phosphorus (P₂O₅)	:	26% w/w
Potassium (K₂O)	:	7% w/w
Manganese (Mn)	:	0.2% w/w
Zinc (Zn)	:	0.2% w/w
Amino Acids (free)	:	1.0% w/w

SICO Phosphite based products increase the plant's vitality and resistance. Root growth is increased due to the special phosphorus composition. You can also expect a positive effect on shelf life and fruit colour. In general the plant's immune system will improve.

2. RECOMMENDED APPLICATION RATE: 1.0 – 2.0 l/ha

*** Crops:** Oilseed rape, Viticulture, Cotton, Top fruit, Citrus fruit, Cane fruit, Soft fruit, Stone fruit, Hops, Nuts (Almonds, Pecans, Pistachios, Walnuts, Cashew and ground nuts), Linseed, Potatoes, Leeks and Onions, Brassicae, Lettuce, Peas and Beans, Root crops, Celery, Maize (and Sweet-corn), Rice, Peppers, Cucumber, Grassland, Tobacco, Wheat and other Cereals, Sugar cane, and most other edible crops.

*** Formulation:** This high phosphite loading product includes significant levels of the laevo- (plant-friendly) versions of the key amino acids Proline and Glutamine, plus the unique SICO-AMIX humic-lignate complex formulation technology. It is a unique NPK plus chelated Zinc and Manganese product. This is a clearly superior formulation delivering a high concentration of the desirable elements in a very soluble, rapidly absorbed and readily translocatable form along with phosphorous acid and key micronutrients.

SICOPHYTE AMINO -L can produce a rapid and visible response in cold wet conditions, which will still be measurable as a yield response at harvest time. Foliar Phosphates have long been recognised as being many times more bioavailable than soil applied phosphates, capable of delivering a boost to growth and development as part of the management and agronomy of the crop. Foliar phosphates are particularly effective during the vegetative growth stage of young plants, and will enhance rooting, drought resistance and disease resistance. The increased Phosphite content of SICOPHYTE AMINO -L further enhances the effects expected from foliar phosphates.

To improve seedling establishment, promote root development, reduce disease, correct deficiencies and prevent physiological disorders: apply a dose appropriate to the biomass of the target crop. Typical usage in autumn-sown crops would start with 0.75 L/ha at the 3 leaf stage of cereals or rape in conjunction with antiviral insecticides. This would be followed by a further 1.0 L/ha at GS30 or commencement of spring growth. Rates of use range from 1.0 to 2.0 litres per Hectare as part of a programmed approach from the three leaf stage of the crop.

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

**SAP INTERNATIONAL CORPORATION bvba Krekelenberg 69, B-2980 Zoersel, Belgium
Tel. +32-3-309.06.51 Fax. +32-3-309.19.31 Email : info@sico.be Website : www.sico.be**

SICO FERTILISERS
EVERY TIME THE *right* SOLUTION



**PRODUCT INFO
& DATASHEET**

The most responsive fruit, vegetable and salad crops on Phosphate deficient soils will benefit most from a programme of low dose applications every 14 to 21 days up until harvest.

Always use sufficient water to get good foliar coverage with a sprayer generating a droplet spectrum appropriate to foliar application.

To increase tuber numbers in the commercial potato crop, apply 5 l/Ha at tuber initiation, and in determinate varieties follow this with a further 2.0 l/Ha each 14 days during bulking-up to improve yield and dry matter and help support blight control programmes. Seed crops will benefit most from a single application of up to 7.0 l/Ha at early tuber initiation. Programmed applications have been seen to slow the onset and spread of disease in potatoes.

In peas, beans and linseed, early applications at first flower will help promote resistance to downy mildew.

3. BENEFITS & ADVANTAGES

The major benefits of this new technology in SICOPHYTE AMINO -L:

- It delivers enhanced root and seedling development from the high phosphite content.
- It delivers improved seedling disease resistance through the high phosphite content.
- The L-Amino acids have been shown to improve rooting and enhance the phosphite activity in improving root development.
- The SICO-AMIX formulation provides enhanced uptake at the leaf surface and increased mobility of nutrients within the plant.
- SICO-AMIX delivers nutrients direct to the phloem so they are actively transported rapidly to the growth forming locations whether they are root, fruit or flower.
- Greatly improved speed of leaf uptake at lower pH's
- Greater compatibility with pesticides

This is a new SICO-AMIX humic-lignate complex formulation which utilises highly soluble raw materials without chlorides in a high concentration and very flexible product. It offers all the compatibility and effectiveness benefits of a complexed/chelated product with the instant response and mobility within the plant of a foliar feed solution. This unique formulation also delivers phosphite ions and key amino acids to reinforce plant health.

4. HANDLING PRECAUTIONS

Wear pvc gloves and goggles when handling the concentrate.

Wash hands before meals and after work.

Do not contaminate surface waters or ditches with chemical or used container.

Store in original container tightly closed, in a safe place.

Wash out container thoroughly and dispose of safely.

5. PACKAGINGS

Available in 1/5/10/20/200 ltr/1000 ltr IBC.

Conditions of Supply:

All products supplied are of high quality and believed to be suitable for use as directed. However, as we have no control over their use or mixing, weather conditions before, during or after application and crop condition, no warranty express or implied is given that the goods are reasonably fit for the buyers purpose. No responsibility will be accepted for damage or injury, whether consequential or otherwise and whether due to negligence or any other cause whatsoever arising directly or indirectly from the goods storage, handling or misuse.