

AMINO-FOLIAR

MARINURE®

- Aminosure is 'n fundamentele instrument in landbouproduksie.
- Aminosure is organiese molekules bestaande uit Koolstof, Waterstof, Suurstof en Stikstof.
- Aminosure beïnvloed die fisiologiese aktiwiteite van gewasse direk en indirek.
- Fulviensure is NIE aminosure nie.
- Die basiese komponent van lewende selle is Proteïne wat 'n kernrol in alle biologiese prosesse vervul met Aminosure die boustene hiervan.
- Proteïne word gevorm deur 18 Aminosure wat dmv peptiede aan mekaar verbind word, almal teenwoordig in MARINURE AMINO FOLIAR.

HOOFROLLE VAN AMINOSURE IN GEWASSE

1. Bevorder proteïnsintese.
2. Stressverligting veroorsaak deur temperatuurskommelinge, lae humiditeit, ryp, infestasië, hael, versuip-toestande.
3. Verbeterde fotosintese sodat sonlig optimaal as energie vir gewas gebruik word.
4. Verseker die gewas skakel koolhidrate vinnig om in energie sodat optimale groei kan plaasvind.
5. Reguleer huidmondjies effektief - Huidmondjies beheer die voglobans in gewasse asook die opname van voedingstowwe en gasse.
6. Aktiveer fito- en groeihormone.
7. Bevorder bestuiwing en vrugvorming deur groei van stuifmeelbuis te bevorder.
8. Handaaf balans van mikrobes in die grond om mineralisering van organiese materiaal te verseker asook 'n goeie grondstruktuur en vrugbaarheid rondom die wortelsone te verseker.
9. Die vervoer en opberging van voedingstowwe.
10. Herstel beskadigde plantweefsel.

PLANT NUTRITION SPECIALISTS

Growing with Metson
Groei saam met Metson



FERTASA
Fertilizer Association of Southern Africa



NOSA®
★★★★★



MARINURE[®]

AMINO-FOLIAR

GROUP 2 FERTILIZER

REG. no B5003 ACT 36 of 1947

ACTIVE INGREDIENTS

Nitrogen(N)	21.5 g/kg
Zinc(Zn)	0.5 g/kg
Manganese(Mn)	0.4 g/kg
Boron(B)	0.2 g/kg
Amino Acids	120.0 g/kg

Specific Gravity (SG) at 20°C 1.15

25 L

Batch Number:



Registered by:
Metson Manufacturing CC
P O Box 1005 Cresta 2118
Tel: (011) 792 - 8968



WARNING:
Keep away from foods and feeds.
Store in a cool place out of the reach of children,
uniformed persons and animals.

GENERAL

- It is recommended to apply **Marinure® AMINO-FOLIAR** whenever the crop needs a nutritional and physiological stimulation such as:
 - At shoot growth at the beginning of the crop cycle.
 - At pre-flowering and at petal drop.
 - During fruit growth.
- When mixed with copper compounds, sulphur or mineral oils it is recommended to reduce the rate to 150ml per 100 L of water.

DIRECTIONS FOR USE: Use only as directed.

- SHAKE WELL BEFORE USE.**
- Always dilute **Marinure® AMINO-FOLIAR** with water before using.
- Marinure® AMINO-FOLIAR** can be applied to:Vegetables, fruit trees, citrus, tropical crops, olive trees, grapes, potato, sugar beets, tobacco, cotton, cereals, rice, maize, alfalfa and ornamentals.

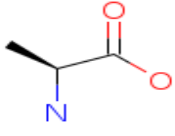
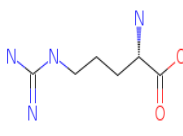
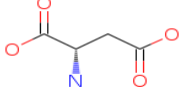
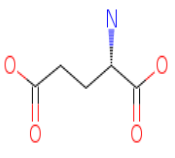
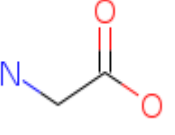
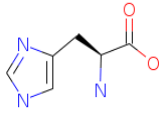
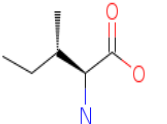
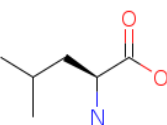
DOSAGE

CROP	RATE PER 100 L WATER	COMMENTS
Fruit Trees	250 ml to max 1 or 2 L/ha	Apply as standard high volume spray pre-bloom, fruit set & during fruit development. Apply in cases of vegetative setbacks
Vines To alleviate arrested growth		Start at first signs of arrested growth & repeat 7 day intervals. 3-4 sprays may be needed.
Field Crops 1. Transplant		To overcome transplant shock. Apply to tomato, pepper, lettuce, cauliflower, melon & other vegetable or ornamental plants immediately after transplant & repeat 7 to 14 days later.
2. Pre-Flowering		To promote blossoming. Apply to bean, tomato, pepper, melon & other vegetable or ornamental plants 7 days before flowering & repeat 14 days later i.e. 7 days into flowering.
3. Post Stress		Apply 2-3 sprays at 10-14 day intervals to promote recovery from stress caused by heat, hail, water logging or setbacks in vegetative growth.
Nursery		Apply to vegetable, ornamental & forestry seedlings to overcome vegetative setbacks / revitalise. Pre-delivery sprays reduce transplant shock. Use lower rate for seedlings in greenhouses & higher rates for seedlings produced in the open.

WARNINGS

DO NOT COMBINE WITH SPRAY OIL OR PRODUCTS CONTAINING PHOSPHOROUS ACID
DO NOT COMBINE WITH COPPER FUNGICIDE
DO NOT APPLY TO PLUMS WITHOUT TESTING THE TOLERANCE OF CULTIVAR

MARINURE AMINO FOLIAR BEVAT DIE 18 BELANGRIKSTE AMINOSURE VIR GEWASPRODUKSIE

TIPE AMINOSURE	CHEMIESE STRUKTUUR	VOORDELE VIR DIE GEWAS
ALANIEN		<p>Bevorder vrugkwaliteit</p> <p>Skakel koolhidrate om in energie</p> <p>Verhoogde immunititeit</p> <p>Elimineer oortollige gifstowwe</p> <p>Beskerm plantselle teen beskadiging</p>
ARGINIEN		<p>Bevorder seldeling</p> <p>Verhoogde immunititeit</p> <p>Versnel wondgenesing</p> <p>Stimuleer hormone wat blom en vrugvorming bevorder</p>
ASPARTIENSUUR		<p>Genereer energie in plantselle</p> <p>Bevorder vervoer van voedingstowwe na plantselle - noodsaaklik vir gesonde RNA & DNA</p> <p>Verhoogde immunititeit</p> <p>Verwyder gifstowwe van plantselle</p>
GLUTAMIENSUUR		<p>Noodsaaklik vir behoorlike funksionering van plantsel</p> <p>Anti-oksidadant vir plantselle</p> <p>Vervoer Kalium direk na die plantsap</p> <p>Kernbelangrik vir fotosintese en plantweefsel formasie</p> <p>Bevorder vrugbaarheid van stuifmeel</p> <p>Essensieel vir omskakeling van koolhidrate in energie</p>
GLISIEN		<p>Essensieel vir plantweefsel formasie</p> <p>Genetiese materiaal noodsaaklik vir behoorlike formasie van plantselle en hulle funksionering</p> <p>Voorkom disintegrasie van plantweefsel</p> <p>Bevorder herstel van beskadigde plantweefsel</p> <p>Noodsaaklik vir chlorofil sintese</p>
HISTIDIEN		<p>Reguleer die opname en benutting van mikro-elemente</p> <p>Bevorder rypwording van vrugte / oes</p>
ISOLEUSIEN		<p>Verhoog gewas se uithouvermoe</p> <p>Stimuleer energievлакke</p> <p>Bevorder herstel van beskadigde plantweefsel</p>
LEUSIEN		<p>Bevorder vrugkwaliteit</p> <p>Reguleer energievлакke</p> <p>Bevorder groei</p> <p>Bevorder herstel van beskadigde plantweefsel</p> <p>Versnel produksie van groei hormone</p>

SLEUTEL



Deur gewasse geproduseer mbv proteïene.

Verlang die teenwoordigheid van die onvervangbare aminosure.



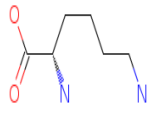
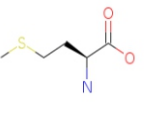
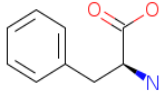
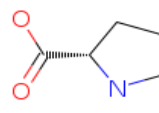
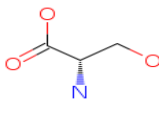
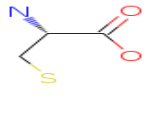
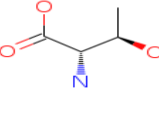
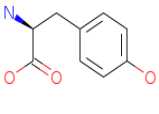
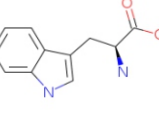
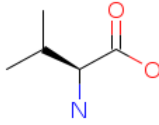
Onvervangbare Aminosure. Kan nie deur die gewas geproduseer word nie.

Moet op die gewas toegedien word.

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TIPE AMINOSURE	CHEMIESE STRUKTUUR	VOORDELE VIR DIE GEWAS
LISIEN		Noodsaaklike boublok vir alle proteïene Vervul kernrol met opname van Kalsium Stel gewas in staat om ensieme en anti-oksidente te produseer Produseer carnitine - 'n voedingstof wat vetsure in energie omskakel Bevorder vrugbaarheid van stuifmeel Versnel die produksie van groeihormone
METHIONIEN		Belangrik vir metabolisering van koolstowwe Verskaffer van Swael - belangrik vir metabolisme en groei Bevorder vrugbaarheid van stuifmeel Stabiliseer die selwande van grondmikrobes.
PHENYLALANIEN		Belangrike boublok van proteïene
PROLIEN		Word as 'n energiebron vir die gewas benut Handhaaf verlange druk (pressure) binne die gewas Bevorder vrugbaarheid van stuifmeel Versterk selwande sodat gewas beter weerstand teen ongunstige weersomstandighede kan bied
SERIEN		Verseker gewas besit 'n behoorlike immuunsisteem
SISTEÏEN		Ondersteun die meeste fisiologiese funksies Beskerm gewas teen skadelike gifstowwe deur anti-oksidente te produseer Bevorder herstel van beskadigde plantweefsel Verskaffer van Swael - belangrik vir metabolisme en groei
THREONIEN		Verseker gewas besit 'n behoorlike immuunsisteem Vervul belangrike rol in ontwikkeling van plantweefsel Onderdruk negatiewe simptome veroorsaak deur sklerose
TYROSIEN		Vervul kernrol om gewas se metabolisme te reguleer
TRIPTOFAAN		Noodsaaklike boublok vir lewegewende bio-molekules, ensieme en strukturele proteïene Aktiveer oksien aktiwiteit
VALIEN		Groeistimulant vir gewas Verbeter vrugkwaliteit Verbeterde regulering van die immuunsisteem Belangrik vir die herstel van plantweefsel Onmisbaar vir ontwikkeling van plantweefsel Stel gewas in staat om die verlange Stikstof vlak in gewas te handhaaf

SLEUTEL



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Moet op die gewas toegedien word.