

Application Rates



**NITRO
AMINO**
13 | 0 | 0

**SYNERGY
PURE**

HYDROPONIC RATES:

Add product directly to reservoir at each nutrient change. | Change nutrient reservoir on a weekly basis or apply as required based on leaf tissue analysis. | Aerate for optimum results.

PHASE	U.S.	METRIC
Cuttings & Transplants	0.5 - 1 teaspoon per 1 gallon water	2.5 - 5 grams per 4 liters water
Maintenance Phase	1 - 2 teaspoons per 1 gallon water	5 - 10 grams per 4 liters water
Vegetative Growth Phase	2 - 3 teaspoons per 1 gallon water	10 - 15 grams per 4 liters water
Transition to Bloom Phase	USE pureSYNERGY SEAWEED EXTRACT	USE pureSYNERGY SEAWEED EXTRACT
Bloom/Ripening Phase	USE pureSYNERGY SEAWEED EXTRACT	USE pureSYNERGY SEAWEED EXTRACT

VEGETABLES:

Thoroughly dilute in a sufficient volume of water and apply to soil.

Foliar Application: 600-800 grams/acre. Root/Drip Irrigation: 1000-1200 grams/acre.

	First	Second	Third	Optional
melon, eggplant, pepper, squash, etc.	six leaf stage	early bloom	first fruit set	four weeks later
beans, peas	six leaf stage	first bloom	first pods	
broccoli, cabbage, cauliflower	six true leaf stage	three weeks later	head initiation	
cucumbers, cucurbits	six leaf stage	just prior to bloom	whilst picking	
maize, sweet corn	six leaf stage	55-75cm 20-30in growth	just prior to tasseling	
leek, onion, carrot, turnip	2-3 weeks after emergence	root enlargement	every two weeks until harvest	
potatoes	six leaf stage	when tuber is pea size	early bloom	bulking up
tomato (fresh fruit market)	six leaf stage	early bloom	whilst picking	after 2 weeks

TURF/GREENS: 800-1200 grams/acre | FAIRWAYS: 400-600 grams/acre

Foliar Application: Recommended to apply "little and often", once or twice a month throughout the year. Regular applications to greens and tees are especially beneficial. Applied as bio-stimulant to increase the number and activity of micro-organism. This will improve grass growth and help reduce soil borne disease symptoms in the turf. Tiller will also be increased but without excessive top growth.

FRUITS:

Thoroughly dilute in a sufficient volume of water and apply to soil. | Foliar Application: 400-600 grams/acre.

Root/Drip Irrigation: 900-1200 grams/acre. | Optional applications can be made every three weeks after the fourth application with the exception of grapes which would be only 3 weeks later.

	First	Second	Third	Fourth
grapes	20-30cm cane	45-60cm cane	full bloom date	berry set early shattering
apples, pears	green tip	pre-bloom pink bud	full bloom date	early fruit formation
citrus	early bloom	petal fall	with summer spray	with fall spray
bananas	plant emergence	adequate leaf size	fruit half size	3 weeks later
strawberry, other berries	after transplant	prior to bloom	whilst picking	3 weeks later
stone fruit	bud burst	petal fall	4 weeks later	3 weeks later
plums, cherries	pink white bud	full bloom	early fruit formation	3 weeks later

ECONOMIC CROP:

Thoroughly dilute in a sufficient volume of water and apply to soil.

Foliar Application: 400-600 grams/acre. Root/Drip Irrigation: 900-1200 grams/acre.

	First	Second	Third	Third
cotton	seedling stage	stage of flower emergence	full bloom	every 4 weeks
oilseed crops	before reproductive growth stage	height of flowering	every 4 weeks	
tobacco	early post emergence	after every leaves picked	early bloom	every 4 weeks
hops	early post emergence	5 weeks later	every 4 weeks	
lucerne	after each cut			

CEREALS:

* Thoroughly dilute in a sufficient volume of water and apply to soil.

* Recommended application rate: 2 - 10 pounds per acre (varies by crop)

	First	Second	Third
winter wheat and oats	first node	flag leaf	after any environmental stress
winter (malting) barley	early post emergence	after any environmental stress	
spring wheat and oats	1-3 tillers	first node	flag leaf after any environmental stress
spring (malting) barley	1-3 tillers	first node	flag leaf after any environmental stress
corn	at 2-6 leaf stage	at 50-75 cm growth	just prior to tasseling