General product recommendations

Application rate/concentration

natural green^{ACCStarter} is designed to be sprayed on leaves at a concentration of 0.2% – 0.5%. The recommended concentration depends on the type of plant as well as the plant's stage of development.
The recommended concentrations correspond to the following application rates in L/ha (based on the quantity of water used for spraying in each case).

pH value of the spray solution:

The optimum pH value for the spray mixture is between pH 5.0 and pH 8.6

Application:

Using the mixture, you have prepared, spray the plants to be treated as evenly as possible so that the top and bottom sides of the leaves are equally wet.
The best time to apply **natural green**^{ACCStarter} is the early morning hours on days when sunny weather is expected.
The average daytime temperature should be above 10°C.

Application times:

natural green^{ACCStarter} was found to be most effective when applied during the following growth phases:

- Young plants and/or fresh leaves
- Before periods when strong vegetative growth is expected After Flowering
- After fruits have formed

Tradename:
natural green^{ACCStarter}

Chemical Name:
Aqueous calcium carbonate suspension
Classification according to Regulation
(EC) No. 1272/2008 [CLP]

Information on basic physical and chemical properties

Physical state:	liquid
Form:	liquid
Colour:	grey
Odour:	characteristic
Odour Threshold:	not measured
ph:	8,6
	50 g/l
Remarks:	in water
Melting point:	not measured
Boiling point:	>100 °C

Product type: 100% plant additive

Composition:

- Selected, natural, micronized fossil algal calcite with high content of trace elements
- formulation substance

Average nutrient content:

Calcium-oxide (CaO):	40-50%
Magnesiumoxide (MgO):	2,5-4,5%
Silicon (Si):	3,0-4,0 %

Contains other trace nutrients such as:
Mn, Zn, Cu

Packing unit: 5-10 litre bucket

Application of natural green^{ACCStarter}

Concentration In %	Volume of water for spraying in l/ha 200 l	300 l	400 l	500 l	> 500 l	Type of plant
	Ø Application rate in l/ha					
0.2%			**0.8**	1.0	1.5	Horticulture
0.3%	0.6	0,9	1.2	**1.5**	2.5	Vegetables
0.4%	0.8	1.2	1.5	2.0	2.5	Agricultural crops,
0.5%	1.0	1.5	2.0	2.5	3.0	Grass, golf courses

Figures highlighted: Application rate per hectare and per application used by the majority of users

Miscibility:

natural green^{ACC} can be mixed with pesticides and leaf fertilizers. However, users must check that the products are compatible before using them for the first time. Mixtures containing products (especially leaf fertilizers) with a high phosphate or sulphate content are not recommended.

Cereals: **Winter cereals**

Guidelines for use	**General**	Recommended spraying times		
Number of spray applications:	2 to 3	1st	2nd	3rd
Development phase:		Autumn:	Spring:	As necessary:
		4 - 6 leaf	From start of vegetation	Shoots
		stage	Tilling	
BBCH scale:		13 - 16	24 - 29	35 - 39
Concentration in %:	0.3 to 0.5%	0,3	0,3	0,3
Advantages:	**Improved plant health, higher yields, better quality, better stress resistance against frost and drought**			

Cereals: **Summer cereals**

Guidelines for use	**General**	Recommended spraying times		
Number of spray applications:	2 to 3	1st	2nd	3rd
Development phase:				
				As necessary:
		3 - 6 leaf	Tillering	Shoots
		stage		
BBCH scale:		16 - 19	25 - 29	35 - 39
Concentration in %:	0.3 to 0.5%	0,3	0,3	0,3
Advantages:	**Improved plant health, higher yields, better quality, better stress resistance against cold and drought**			

Maize

Guidelines for use	**General**	Recommended spraying times		
Number of spray applications:	2 to 3	1st	2nd	3rd
Development phase:		3 - 6 leaf stage	Start of	As necessary:
			growth in height	Prior to
				shoot growth
BBCH scale:		13 - 15	30 - 35	45 - 53
Concentration in %:	0.3 to 0.5%	0,3	0,3	0,3
Advantages:	**Improved plant health, higher yields**			

Rice

Guidelines for use	**General**	Recommended spraying times		
Number of spray applications:	2 to 3	1st	2nd	3rd
Development phase:		Tillering	Prior to	As necessary:
			shoot growth	Prior to
				panicles forming
BBCH scale:		20 - 23	30 - 39	From 38
Concentration in %:	0.3 to 0.5%	0,3	0,3	0,4
Advantages:	**Improved plant health, higher yields**			

Oilseed rape

Guidelines for use	**General**	Recommended spraying times		
Number of spray applications:	2 to 3	1st	2nd	3rd
Development phase:		Autumn:	Start of	As necessary:
		Leaf development	growth in height	Development of
				flowers
BBCH scale:		13 - 18	30 - 35	50 - 55
Concentration in %:	0.3 to 0.5%	0,3	0,3	0,4
Advantages:	**Improved plant health, higher yields**			

Sunflowers

Guidelines for use	**General**	Recommended spraying times		
Number of spray applications:	2 to 3	1st	2nd	3rd
Development phase:		Leaf	Start of	As necessary:
		development	growth in height	Prior to development of
				flowers
BBCH scale:		15 - 18	30 - 35	10 - 14 days later
Concentration in %:	0.3 to 0.5%	0,3	0,3	0,4
Advantages:	**Improved plant health, higher yields**			

Soya beans

Guidelines for use	**General**	Recommended spraying times		
Number of spray applications:	2 to 3	1st	2nd	3rd
Development phase:		Leaf	Development of	As necessary:
		development	flowers	10 - 14 days later
BBCH scale:		15 - 21	49 - 59	10 - 14 days later
Concentration in %:	0.3 to 0.5%	0,3	0,3	0,3
Advantages:	**Improved plant health, higher yields**			

Root crops: **Potatoes (all sorts)**

Guidelines for use	**General**	**Recommended spraying times**		
Number of spray applications:	2 to 3	1st application	2nd application	3rd application
Development phase:		Prior to row closure	Prior to field closure	As necessary 10 - 14 days later
			Images	
BBCH scale:		15 - 19	30 - 35	
Concentration in %:	0.3 to 0.4%	0,3	0,3	0,4
Advantages:	**Improved plant health, higher yields, better quality, better storage quality, better sorting, earlier harvesting**			

Root crops: **Turnips (all varieties)**

Guidelines for use	**General**	**Recommended spraying times**		
Number of spray applications:	2 to 3	1st application	2nd application	3rd application
Development phase:		6 - 9 leaf stage	Prior to field closure	As necessary 10 - 14 days later
			Images	
BBCH scale:		15 - 20	31	
Concentration in %:	0.3 to 0.5%	0,3	0,3	0,3
Advantages:	**Improved plant health, higher yields, higher sugar content**			

Lettuce (all varieties)

Guidelines for use	**General**	**Recommended spraying times**		
Number of spray applications:	2 to 5	1st	2nd	3rd and further applications
Development phase:		10 days after planting	10 - 14 days later	At intervals of 10 - 14 days
BBCH scale:		From 13		
Concentration in %:	0.15 to 0.3%	0,3	0,3	0,3
Advantages:	**Improved plant health, higher yields, earlier harvesting, lower nitrate content**			

Tomatoes, peppers, aubergines

Guidelines for use	**General**	**Recommended spraying times**		
Number of spray applications:	2 to 5	1st	2nd	3rd and further applications
Development phase:		10 days after planting	10 - 14 days later	At intervals of 10 - 14 days
BBCH scale:		From 13		
Concentration in %:	0.15 to 0.3%	0,3	0,3	0,3
Advantages:	**Improved plant health, higher yields, earlier harvesting, better fruit quality**			

Cucumbers, melons, pumpkins

Guidelines for use	**General**	**Recommended spraying times**		
Number of spray applications:	2 to 5	1st	2nd	3rd and further applications
Development phase:		10 days after planting	10 - 14 days later	At intervals of 10 - 14 days
BBCH scale:		From 13		
Concentration in %:	0.15 to 0.3%	0,3	0,3	0,3
Advantages:	**Improved plant health, higher yields, earlier harvesting, firmer fruit flesh**			

Cabbages, savoy cabbages, lettuces, endives

Guidelines for use	**General**	**Recommended spraying times**		
Number of spray applications:	2 to 5	1st	2nd	3rd and further applications
Development phase:		10 days after planting	10 - 14 days later	At intervals of 10 - 14 days
BBCH scale:		From 13		
Concentration in %:	0.15 to 0.3%	0,3	0,3	0,3
Advantages:	**Improved plant health, higher yields, earlier harvesting, lower nitrate content**			

Leaf vegetables (spinach, lamb's lettuce, curly kale)

Guidelines for use	**General**	**Recommended spraying times**		
Number of spray applications:	2 to 5	1st	2nd	3rd and further applications
Development phase:		10 days after planting	10 - 14 days later	At intervals of 10 - 14 days
BBCH scale:		From 13		
Concentration in %:	0.15 to 0.3%	0,3	0,3	0,3
Advantages:	**Improved plant health, higher yields, earlier harvesting, lower nitrate content**			

Fruit: **Pomaceous fruit (apples, pears)**

Guidelines for use	**General**	**Recommended spraying times**			
Number of spray applications:	2 to 3	1st application	2nd application	3rd application	4th application
Development phase:		Leaf development virtually complete	Development of flowers	Start of fruit development	Start of fruit ripening
BBCH scale:		15 - 19	51 - 59	72 - 75	77 - 85
Concentration in %:	0.3 to 0.4%	0.3	0.3	0.3	0.3

Advantages:	**Improved plant health, higher yields, better quality, better storage quality, better sorting, earlier harvesting**

Fruit: **Stone fruits (cherries, plums, peaches, apricots)**

Guidelines for use	**General**	**Recommended spraying times**		
Number of spray applications:	2 to 3	1st application	2nd application	3rd application
Development phase:		Leaf development - flower development	After flowering - Start of fruit development	Start of fruit ripening
BBCH scale:		19 - 55	71 - 75	81 - 85
Concentration in %:	Approx. 0.3%	0.3	0.3	0.3
Advantages:	**Improved plant health, higher yields, better transport and storage capabilities, firmer fruits**			

Fruit: **Citrus fruits (all citrus fruits)**

Guidelines for use	**General**	**Recommended spraying times**		
Number of spray applications:	2 to 3	1st application	2nd application	3rd application
Development phase:		Leaf development - shoot development	Start of fruit development	Start of fruit ripening
BBCH scale:		20 - 53	From 71	From 73
Concentration in %:	Approx. 0.3%	0.3	0.3	0.3
Advantages:	**Improved plant health, higher yields, better transport and storage capabilities**			

Fruit: **Olives (all sorts)**

Guidelines for use	**General**	**Recommended spraying times**		
Number of spray applications:	2 to 3	1st application	2nd application	3rd application
Development phase:		Leaf development - shoot development	Development of buds	Start of fruit development
BBCH scale:		From 15	From 51	From 71
Concentration in %:	0.3 - 0.5%	0.3	0.3	0.3
Advantages:	**Improved plant health, higher yields, earlier harvesting, better oil quality**			

Strawberries

Guidelines for use	**General**	**Recommended spraying times**		
Number of spray applications:	2 to 3	1st application	2nd application	3rd and further applications
Development phase:		Leaf development - shoot development	Development of flowers	Every 14 days
BBCH scale:		15 - 19	55 - 59	
Concentration in %:	0.15 - 0.3%	0.3	0.3	0.15 - 0.3%
Advantages:	**Improved plant health, higher yields, earlier harvesting, firmer fruits, better storage and transport capabilities**			

Berries: **Raspberries, blackcurrants, gooseberries, bilberries etc.**

Guidelines for use	**General**	**Recommended spraying times**		
Number of spray applications:	2 to 3	1st application	2nd application	3rd and further applications
Development phase:		Leaf development - shoot development	Development of flowers	Every 10 - 14 days
BBCH scale:		15 - 19	55 - 59	
Concentration in %:	0.15 - 0.3%	0.3	0.3	0.15 - 0.3%
Advantages:	**Improved plant health, higher yields, earlier harvesting**			

Grapevines

Guidelines for use	**General**	**Recommended spraying times**		
Number of spray applications:	2 to 4	1st application	2nd application	3rd and further applications
Development phase:		Leaf development	Development of flowers	From the start of fruit development
BBCH scale:		From 19	53 - 57	71 - 77
Concentration in %:	0,3	0,3	0,3	0,30%
Advantages:	**Improved plant health, better wine quality, reduction in the amount of pesticides required**			