



Virtus™

ENRICHED

FOLIAR FERTILIZERS

Product description:

Certain biological substances such as amino acids, poly-saccharides and organic acids can bind under specific conditions with metals, to form organo-metallic complexes which are more readily absorbed by living cells than the chemical substance itself. The plant recognises the natural organic portion of the complexed molecule and entry is facilitated through the dermal layers of the foliar laminae. The choice of which organic chelate/s and which metal-ion/s, is of the utmost importance when formulating for specific applications such as the stimulation of a plant during a specific phenological stage.

The Virtus foliar range is manufactured with the careful complexation of minerals with Blackgold®, kelp, as well as plant and fish-extracted amino acids. Various such organic complexes can be formulated as prescription blends according to a crop's specific nutrient requirement.

Typical examples:

PRODUCT	Element in g/kg												
	S	N	P	K	Ca	Mg	Fe	Mn	Cu	Zn	B	Mo	Ni
Virti Wheat	33	7.7	8.5	9.2	2.1	2.9	7	9.4	3.5	14.1	5.6	1.5	0.5
Virti Fruit	11	13	-	16	5.2	6.3	9.3	13	1.3	15.2	4.3	1.2	-
Virti BCMZ	32	6.3	3.5	5.2	3.1	0.5	-	27	12.5	32	12	-	-
Virti BZM	-	-	-	-	-	-	-	20	-	37	13	-	-
Virti Cup	23	-	-	-	-	-	-	-	45	-	-	-	-
Virti Fer	38	-	-	-	-	-	60	-	-	-	-	-	-
Virti Man	36	-	-	-	-	-	-	60	-	-	-	-	-
Virti Zinc	32	-	-	-	-	-	-	-	-	60	-	-	-
Virti CalSiIK+B	-	-	-	-	100	-	-	-	-	-	5	-	-
Virti K	16	12	19	137	-	-	-	-	-	-	-	-	-
Virti Mag	-	-	-	-	-	60	-	-	-	-	5	-	-
Virti Feed 6-1-3 (15)	-	90	6	45	-	-	3.6	2.4	0.6	1.8	1.2	0.12	-
Virti Feed 3-1-6 (15)	-	45	6	90	-	-	3.6	2.4	0.6	1.8	1.2	0.12	-

Packaging:

5 and 25 Litre plastic cans and 1000 lit Flowbins

Dosage rate:

See underneath or consult a Humefert Agronomist

Storage:

Store in a tight sealed container in a cool, dry area away from direct sunlight.

Disclaimer:

To the best of our knowledge, the information contained herein is accurate, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user.

Any of the underneath products can be mixed into tankmixes but consult a Humefert Agronomist for correct application rates per ha. *When consulting an Agronomist: Always have your crop data at hand i.e. recent foliar analyses and soil analyses*

Application rate (mL per 100 Liter of water): ALWAYS SHAKE/ MIX WELL BEFORE USE

PRODUCT	Maintanance application	Maximum corrective application	Comments
Virti Comp	200-400	1000	A complete foliar feed that can be used for maintenance and corrective spraying of most crops.
Virti BCMZ	200-400	1000	A copper, manganese, boron and zinc containing foliar feed that can be used for maintenance and corrective spraying of most crops.
Virti BZ	200-300	500	A boron and zinc containing foliar feed that can be used for maintenance and corrective spraying of most crops.
Virti Cup	100-300	600	A copper containing foliar feed that can be used for maintenance and corrective spraying of most crops.
Virti Fer	200-400	800	An iron containing foliar feed that can be used for maintenance and corrective spraying of most crops.
Virti Man	100-200	400	A manganese containing foliar feed that can be used for maintenance and corrective spraying of most crops.
Virti Zinc	200-300	1000	A zinc containing foliar feed that can be used for maintenance and corrective spraying of most crops.
Virti Ca	300-500	-	A high calcium containing foliar feed that can be used on crops showing physiological defects due to poor calcium uptake and translocation. Regulate low plantsap pH conditions and Ca feed Do not mix with high sulphur containing compounds.
Virti K	1000-2000	3000-4000	A high potassium containing foliar feed that can be used on crops showing a potassium deficiency or on crops that have a high affinity for this nutrient.
Virti CalSiLK+B	1000-2000	1500	A special blend of Calcium, Silica (Mono-silicic acid) and Boron complexed in humic substances to alleviate low plantsap pH conditions and plantresistance. Increase sapflow and Brix. Effective especially pre- flowering and post fruitset. Alleviate Mn and Al toxicities.
Virti Wheat	1000-1500	2000	A concentrated, balanced, micro-nutrient blend for general requirement in broad-acre crops. Can be applied with most fungicides. Can be used effectively to compliment corrective mineral deficiencies. Enhance urea uptake and amino acid formation in plants. Plant immune stimulant with defense regulating properties. Promotes Brix and protein content.
Virti Fruit	200-500	1200	A concentrated, balanced, micro-nutrient blend for general requirement in fruit and nut trees and vines. Plant immune stimulant with defense regulating properties. Sustain fruit development with qualitative properties. Add to any N, P, K blend for optimal uptake of synthetic foliar fertilizers. <i>See Agronomist recommendation programs for application rates in foliar blends.</i>
Virti Mag	250-500	750-1000	A high magnesium containing foliar feed that can be used on crops showing a magnesium deficiency
Virti Feed 6.1.3 (15)	250-500	750	A high nitrogen foliar feed also containing phosphate, potassium and micro nutrients to stimulate vegetative growth for use in situations where crops are under stress.
Virti Feed 3-1-6 (15)	250-500	750	A high potassium foliar feed also containing nitrogen, phosphate, and micro nutrients to enhance fruit size and quality.