

Liquizem™

A Revolutionary Liquid Organic Fertiliser

- A new liquid organic fertiliser carefully designed by our scientific team for both soil and foliar application.
- An organic farming input based on naturally-derived components - manure compost and humic acids.
- Advanced input of complete nutrient requirements for organic growth in soil-based systems.

Benefits of SOSBio's Liquid Organic Fertiliser

- Most of the currently available organic fertilisers contain high amounts of selected nutrients but low amounts of others, making it impossible for producers to use a single product with the optimal balance of nutrients for growth.
- With other organic fertilisers, multiple products need to be used in parallel which may result in sub-optimal plant growth profiles if these fertilisers, additives or growth stimulating products are not-compatible with one another. The lack of a balanced formulation may result in growth deficiencies or toxicities.
- Unlike traditionally used synthetic fertilisers, Liquizem™ contributes to environmental restoration through the chelating effect contributed by the humic acids in the solution.
- Liquizem™ is an environmentally friendly product which has the ability to improve soil chemical and physical properties as well as biological content – high carbon.
- The liquid nature of the fertiliser input provides a mechanism whereby plants can make contact with and assimilate nutrients efficiently, affording them a quick response time for positive plant growth.
- A further advantage of Liquizem™ over other products lies in the products ability to improve plant metabolism and resistance to pathogens, pests and fungi due to the presence of bioactive compounds.

Product Composition

- Liquizem™ has the perfect combination of all major and trace nutrients required by plants for effective growth from seedling through vegetative and even final fruit-yielding phases – well optimised NPK ratio.
- The presence of natural humates provides the advantage of quality nutrient chelation for plant root availability.
- As a natural product it contains all trace and micro elements that exist in natural fertile soil.

*Organic nature of product means that exact nutrient levels will vary amongst different batches. Table merely serves as an average guide.

Approximate Analysis*			
%		mg/L	
N	1.00	Al	8.50
P	0.27	B	5.10
K	0.61	Co	0.10
Ca	0.67	Cu	0.40
Mg	0.10	Fe	15.3
S	0.24	Mn	42.8
C	30-40	Zn	12.7

Proposed Liquizem Application rates

<u>Initial Seedling stages</u>	Soil	Foliar
Dilution rates per 1L water	10 to 20 mL	4 mL
Concentrate per hectare	10 to 20 L	2 L
<u>Short maturing crops and turf</u>		
Dilution rates per 1L water	20 to 35 mL	6 mL
Concentrate per hectare	20 to 30 L	4 L
<u>Mid-maturing crops</u>		
Dilution rates per 1L water	30 to 50 mL	9 mL
Concentrate per hectare	30 to 40 L	6 L
<u>Long-maturing crops</u>		
Dilution rates per 1L water	45 to 50 mL	10 mL
Concentrate per hectare	40 to 50 L	8 L

Summary information

- Formulation of manure-based compost and natural humates for quality nutrient chelation.
- Trials are currently ongoing, therefore specific crop application results are pending final confirmation.
- Organic certification pending.
- Approved safety certification by third party shows absence of pathogenic material.
- SDS available on request.



Liquizem is a product of Sustainable Organic Solutions Pty Ltd.
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