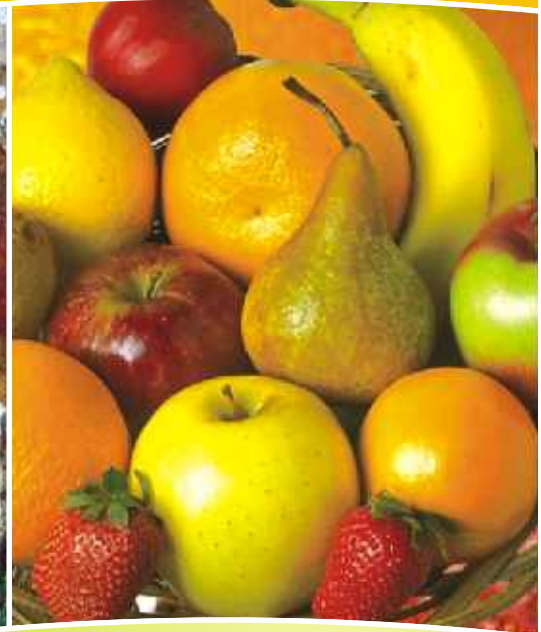


UNI GOLD™

FORMULATION based on American Technology
A Unique Water insoluble Soil Conditioner
Biologically Active Concentrate

A key ingredient
for both
soil and plant

युनी गोल्ड™



Universal Natural ORGANIC
Soil Conditioner
Microbial Balancing Agent
Soil Fertility Enhancer
Nutrient Assimilator



Mfg./Pkd by:

United Agro Biotech Pvt. Ltd.



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APEDA-MINISTRY OF COMMERCE, GOVERNMENT OF INDIA

Description

Unigold is a naturally occurring Organic Soil Conditioner that acts as an Organic Chelator and Microbial stimulator. Its unique molecular structure increases nutrient assimilation and enhances SOIL PRODUCTIVITY. Unigold is specially designed for Slow Release-Prolonged Action and for enhancing Soil Fertility. Unlike other water soluble products it is insoluble and hence doesn't leach out from soil to remain effective for 6-12 months.

Soil with low Cation Exchange Capacity (CEC) can not hold electrically charged vital nutrients and as a result they are leached out during irrigation. Unigold plays important role by enhancing utilisation of micro and macro nutrients.

Characteristics

Appearance : Dark Brown to black fine powder

Composition : Humified organic matter (dry basis) 75 %

Minerals : 8-10 %

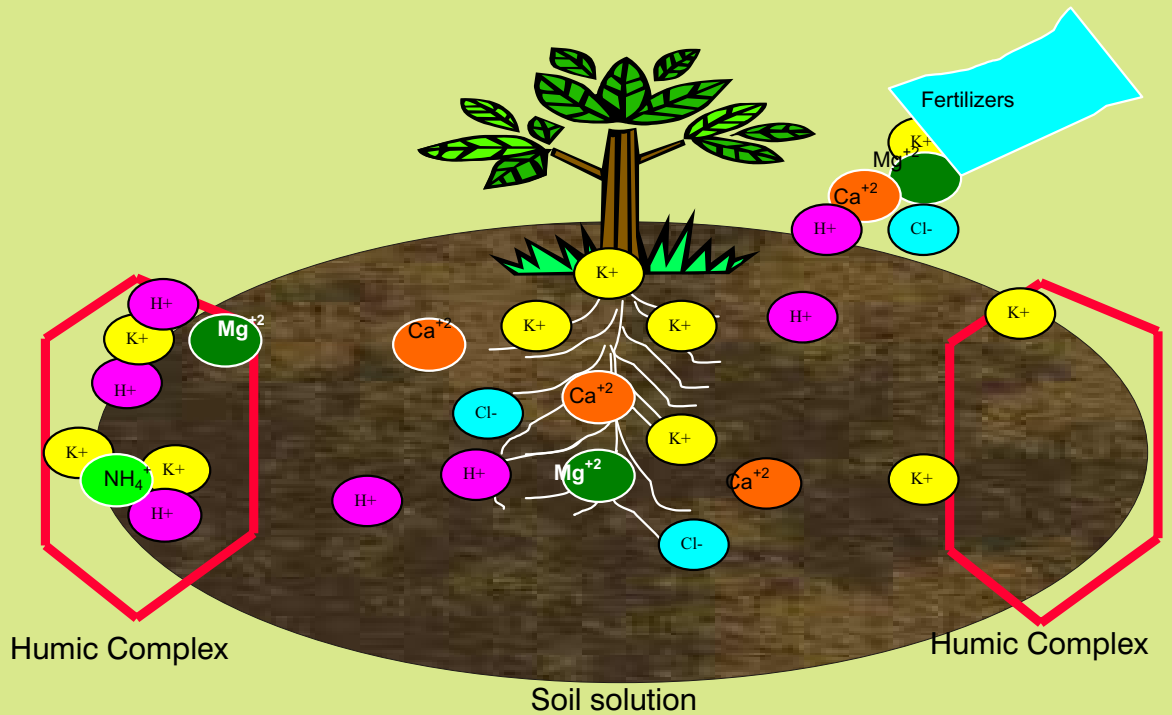
Moisture : 14-22 %



Benefits

- Increases soil fertility by
 - Increasing soil micro-flora population
 - Accelerating Organic Matter DECOMPOSITION
 - Increasing HUMUS / CARBON content in the soil
- Stimulates growth and proliferation of desirable soil microbes, algae and yeast.
- Assist in transferring vital micronutrients from soil to plant. Increase nutrient holding / binding capacity of the soil therefore reduces fertilizer dosages by 30-50 %.
- Increases Cation Exchange Capacity (CEC) of the soil.
- Extra strength Soil conditioner because it break up clay and compacted soil.
- Improves soil porosity , enhances aeration and water retention capacity of the soil.
- Increases root respiration and formation.
- Increases root mass , fruit yield and bio-mass in the plant.
- Restores and ensures continuity of Bio-cycles.
- Increases brix level.
- Increases buffering properties of the soil. Helps in neutralizing both acidic and alkaline soil.
- Retain water soluble nutrients in the root zone and releases them to plant when needed.
- Reduces soil erosion.
- Act as Bio-catalyzer and Bio-stimulator. Enhances physiological processes such as Respiration, Cell division, Photosynthesis, Cell elongation and Energy transfer.
- Converts Iron into available forms and hence prevents Chlorosis
- Mobilize the phosphate anion hence increases availability to the plant.

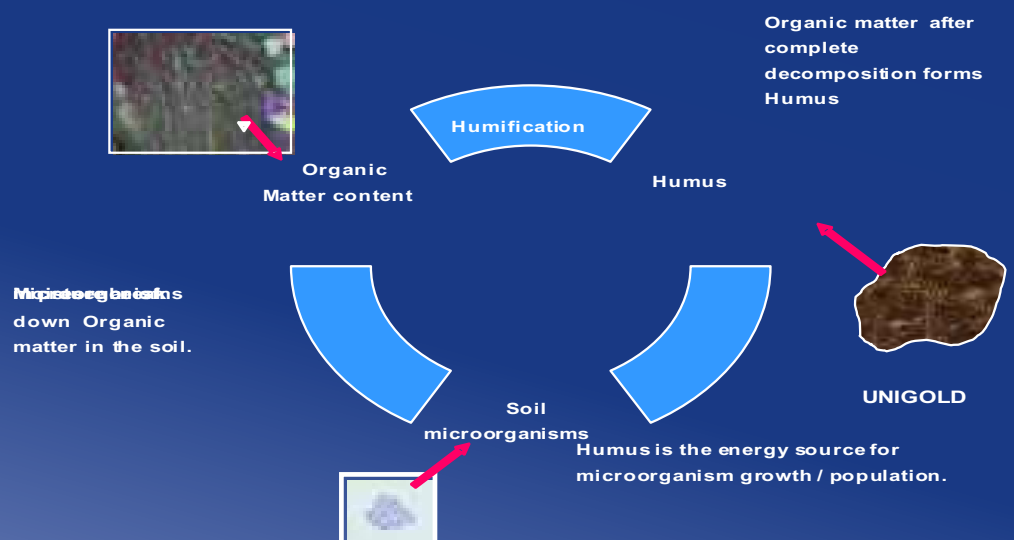
How does UNIGOLD help assimilation of nutrients?
 How does UNIGOLD prevent leaching of vital nutrients ?
 How does UNIGOLD increases Cation Exchange Capacity of the soil ?
 How does UNIGOLD help in increasing nutrients holding capacity of the soil ?



Use of excessive chemical fertilizers and pesticides over the last 5 decades have significantly reduced the soil fertility. Salts in chemical fertilizers makes soil hard and compact. Pesticides not only kills pathogenic microbes and insects but also kills vital beneficial micro-flora and insects in the soil. As a result soil cycle is disturbed. If it is not rectified in time, soil which was fertile once would gradually become totally infertile.

UNIGOLD plays important role in restoring the natural soil cycle. UNIGOLD serves as a energy source and hence stimulates bacterial growth, increases their population in the soil. Soil flora in turn enhances decomposition of organic matter, increases carbon content in the soil.

Bio cycle in soil



Application

The application dosages of UNIGOLD varies from 4-8 kg/acre depending upon

- a. The soil condition
- b. Type of soil
- c. Crop duration

Higher dosages are recommended for high value crops such as Medicinal Aromatic Plants, horticulture , floriculture and perennial crops.

Crops on which UNIGOLD has been used successfully include tomato, potato, pepper, cucumbers, melon, squash , cabbage, cauliflower, ornamentals, small grain , tobacco, sweet potatoes, turf, strawberries, citrus, MAPs, jatropha and floriculture.



Recommendations

- UNIGOLD should be applied on the soil 10 days before planting and can be worked into top 1 to 2 inches of soil.
- Do NOT plow down.
- It can also be applied to the soil after planting and cultivation. Allow to lay on top of the soil for the rain to carry it in.
- Unigold should be mixed with chemical fertilizer or compost before adding to soil.
- Soil humidity should be around 30-40 % when Unigold is added to soil.

Toxicology

- UNIGOLD is non toxic and has no detrimental effects to soil microbes.

Precaution

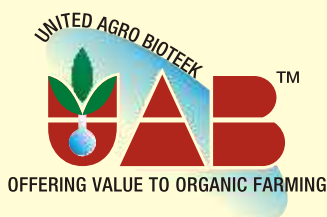
Do not inhale / consume. If inhaled shift from exposed area to fresh clean air. If eyes and skin are affected, flush with clean water for 15 minutes and seek medical attention.

Storage

No specific conditions required.

Packing

Available in 1 kg pouch and 25/30 kg bag.



Mfg./Pkd by:

United Agro Bioteek Pvt. Ltd.

F3 & F4, Actual Industrial Complex, Village Vadavali,
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