

HUMIC ACID (POTASSIUM HUMATE)

PRODUCT SPECIFICATIONS		
1	State	Liquid
2	Colour	Dark Brown
3	Specific Gravity	1.00 – 1.01
4	Viscosity	28-30 sus
5	Humic Acid Content	2 - 4%
6	Std. Confirmation	Soluble in water and Precipitates in acid. ISO 5073
7	pH	8.0 – 9.5
8	Uses	1. Foliar spray on crops. 2. Soil application to crops
9	Brief Detail	Enclosed
10	Expiry	Use with in two years for better results.

PRICE & PAYMENT DETAILS		
1	NLC New MS Barrel (Minimum supply 200 Litres or multiple of 200 Litres).	Rs.19.30 Per Litre
2	Party's container (Minimum supply 35 Litres & above).	Rs.13.50 Per Litre
3	DD to be purchased	In favour of " Neyveli Lignite Corporation Limited " - Payable at Neyveli
4.	Address for communication	The Deputy General Manager, Centre for Applied Research & Development (CARD), Neyveli Lignite Corporation Limited, Neyveli 607 807 Tamil Nadu Phone : 04142-257149 Fax : 04142-257020, 252645, 252646 Email : chiefcard@nlcindia.com Web : www.nlcindia.com

CARD
HUMI GOLD
“An Eco-Friendly Organic Product”

It is an organic water-soluble humic substance, derived from lignite. It is a good plant growth stimulant acting on soil and plants. It improves soil physical property, ion exchange capacity, water holding capacity, drought tolerance ability; protect plants from physical/soil stress and increase soil microorganisms, Biological activity. This also prevents loss of nutrients from soil and act as a storehouse by keeping plant nutrients in soil. It increases crop growth and yield, soil fertility status and reduces use of chemical fertilizers.

CONTENT:

Humic Substances : 2-4%
pH 8-9.5

USES-APPLICATION:

To ornamental plants, grass lawns, cereals, pulses, oil seeds, vegetables & commercial crops, trees, orchard, green house, nurseries-sprayed in soil before planting and Foliar spray in two/three stages on plants before flowering for best results.

DOSAGE:

Soil Application:

May be applied 35 ml/M² area before planting/sowing/during irrigation. For aged grown up trees, the dosage can be increased to about @ 200 ml per tree.

Foliar Spray:

Dilute 1 Litre in 30 Litres of water, then spray to all crops before flowering, ornamental plants and grass lawn; once in 30 days in morning or evening for better results and may be combined with fertilizer spray also.

Caution:

It is an Organic substance of slightly Alkaline in nature. So avoid contact with eyes/mouth. If spilled on skin, wash with plenty of fresh water for remedy.

Use within two years for better results

**LIQUID POTASSIUM HUMATE (2-4% CONCENTRATION)
DOSAGES FOR SUGARCANE & BANANA CROP**

SUGARCANE CROP:

Basal Application: Spray 400 Litres of liquid potassium humate (2-4% concentration) per acre directly in soil along the ridges before planting of sugarcane setts.

Foliar Spray: Dilute 1 Litre of liquid potassium humate (2-4% concentration) in 30 Litres of water and then spray once in a month for up to about 6 months duration.

Note: For 1 acre about 7 Litres of humic acid is required for each time.

Fertigation: Add 25 Litres of liquid potassium humate (2-4% concentration) per acre through fertigation once in a month until completion of crop duration.

Benefits:

1. Increase the cane yield (range 5.4 to 24.7 t/ha.)
2. Growth characteristics viz. millable canes, single cane weight and number of nodes per cane were favourably influenced by humic acid application.
3. Improved quality characteristics of juices viz. Juice%, brix%, purity% and CCS%.

BANANA CROP:

Basal application: Spray 100ml. of liquid potassium humate (2-4% concentration) per pit directly to the excavated pit before planting of banana suckers.

Foliar Spray: Dilute 1 Litre of liquid potassium humate (2-4% concentration) in 30 litres of water and then spray once in a month up to flowering stage.

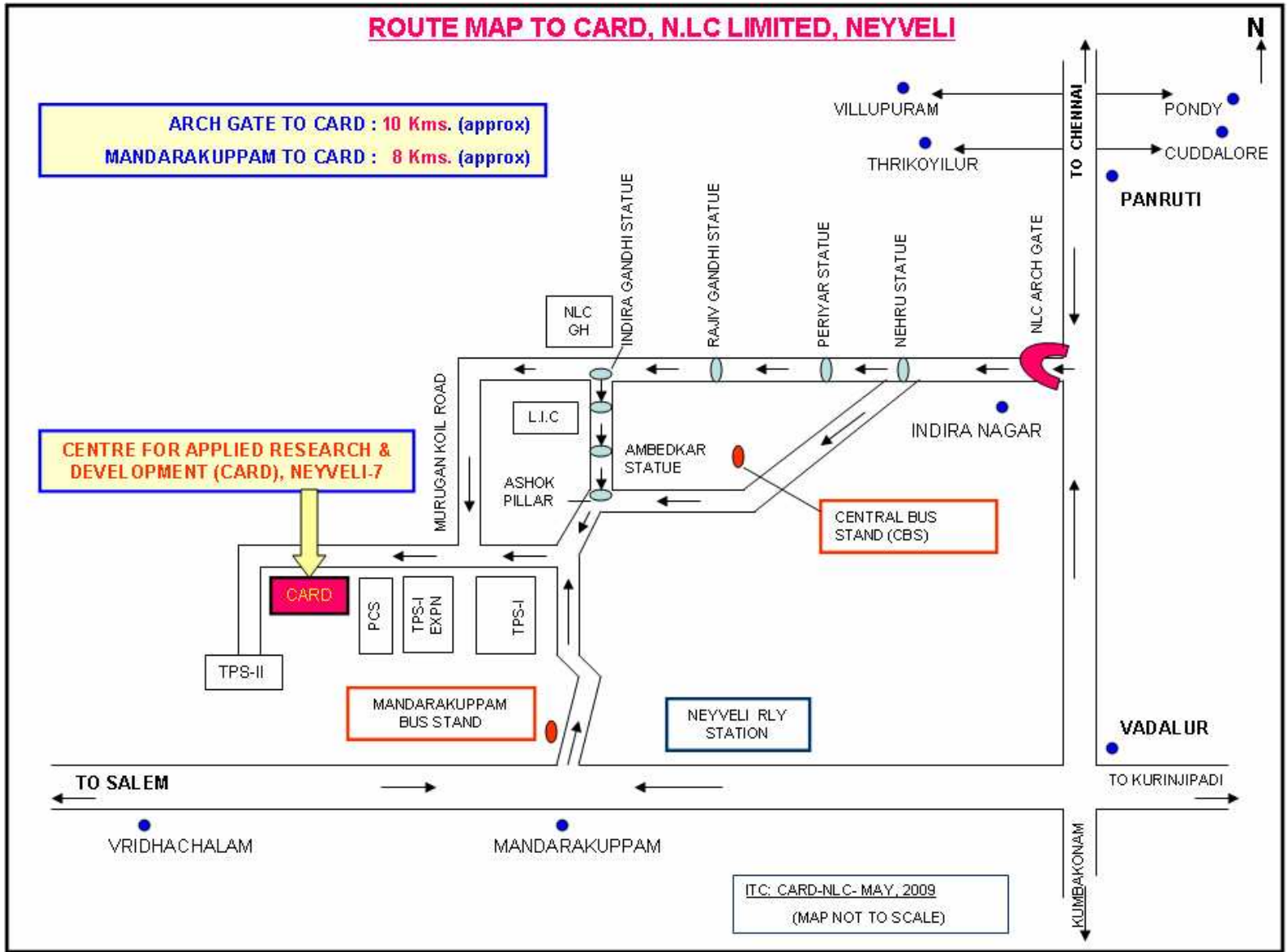
Note: For 1 acre about 7 litres of humic acid is required for each time.

Fertigation: Add 25 Litres of liquid potassium humate (2-4% concentration) per acre through fertigation once in a month until completion of crop duration.

ROUTE MAP TO CARD, N.L.C LIMITED, NEYVELI

ARCH GATE TO CARD : 10 Kms. (approx)
MANDARAKUPPAM TO CARD : 8 Kms. (approx)

CENTRE FOR APPLIED RESEARCH & DEVELOPMENT (CARD), NEYVELI-7



ITC: CARD-NLC- MAY, 2009
 (MAP NOT TO SCALE)