GENICS

# Cobra™ Rod

Diffusible Preservative

CobraRod – ½” x 4” Prod #20001

*(sold in boxes of 500)*

CobraRod – ¾” x 3” Prod #20050

*(sold in boxes of 200)*

**The Cobra™Rod is being adopted rapidly by North American utilities because it’s:**

- the safest, most effective, EPA (US) and PMRA (Canada) approved decay protection/ prevention system for wood poles.
- easy to implement because utility workers can apply it without an applicator’s license in almost all states.
- the most effective control of fungal decay and wood-boring insects.
- longlasting -- effective over an 8 to 10 year period matching utility maintenance cycles.
- comprised of three internationally recognized, highly effective wood preservatives:
  - Anhydrous Disodium Octaborate
  - Copper Oxide
  - Boric Acid
- both a fungicide and an insecticide, a co-biocide.
- much safer to handle than fumigants.
- most effective controlling existing decay and preventing fungal growth.
- not toxic to people and does not put the utility at risk like fumigants do.

Cobra

## ADDITIONAL INFORMATION

- Cobra™Rods minimize utility risk compared to fumigants because it is the safest for workers and the public.
- Cobra™Rods have a unique combination of actives, which unlike all others gives protection against both fungal families basidiomycetes and ascomycetes. (key feature of the Cobra™Rods over boron rods)
- Cobra™Rods activate at 23% to 30% moisture levels – the same moisture level required for decay.
- Cobra™Rods are durable, safe to handle and do not hydrolyze like many of its competitors leaving a chalky substance on the hands and skin.
- Cobra™Rods make use of the initial inspection and treatment holes and minimize number of drill holes thereby reducing pole strength loss.
- Cobra™Rods are also used to control pole top rot (used with Cobra™Caps) and crossarm rot.
- Most other internal treatments require large bore diameters whereas use of 1/2" diameter Cobra™Rods reduce structural strength loss. Drill hole size is ½" to 9/16".
- Cobra™Rods are now available in a ¾" x 3" size for more cost effective transmission pole loading and re-use of fumigant holes. Drill hole size is 7/8" to 15/16".

## INSTALLATION INSTRUCTIONS

Several drilling patterns are recommended depending on the application, however, application should follow the manufacturer's recommendations and PMRA / EPA label directions.

- Drill a ½ inch diameter hole to accommodate pre-determined number of Cobra™Rods. Larger treatment holes can affect the integral strength of the utility pole.
- Insert the suitable number of Cobra™Rods to assure that the recommended toxic threshold will be established for the effective treatment of the specific pole size.
- Seal holes with a treated plastic, reusable plug so that re-treatment can be easily done upon the next treatment cycle.
- Contact Genics to obtain load rates and application procedures for utility's needs.

## EFFICACY DATA

Independent studies conclude that fusion of boron and copper in the Cobra™Rod formulation is more effective than boron for two important reasons:

- Boron is more effective against basidiomycetes (hollow heart) , (effect inside of pole) and insects; copper protects outer wood surfaces against soft-rot fungi—together they cover the broader spectrum;
- Boron fused to copper enhances the mobility of copper within the wood and reduces the leach rate of boron out of the pole—thus prolonging the effective life of boron. This latter point is particularly important in wetter sites where boron will, otherwise, leach more rapidly. Cobra™Rods diffuse and migrate with moisture content to protect that area of the wood pole that is most susceptible to wood decay.

## LABELS

Label: EPA (US) Registration #71653-2 – granted to Genics Inc.
Label: PMRA (Canada) no. 25580—granted to Genics Can Inc.
US patent granted April 14th, 1999 to Genics Inc.
Canada patent—filed April 29, 1996 under Michael Wall & Sons Enterprises Ltd.

Shelf Life: 4 - 5 years in sealed packages.