

iii. Sticker

8. Alternate the products use at every application.
9. Always apply treatment to weeds in surrounding areas
10. Check infection level every 2 weeks.
11. If infection is more than 5% apply treatment 7
The infection level may be evaluated as follows:
 - a. Select 5 trees randomly per square chain of coffee
 - b. Select three branches with at least 10 leaves per tree, preferably one towards the top of the tree, one in the middle and one towards the lower section.
 - c. Count total number of leaves per branch
 - d. Count total number of infected leaves per branch

Example:

TREE	BRANCHES			TOTAL INFECTED LEAVES/TOTAL LEAVES
	TOP	MIDDLE	BOTTOM	
1	0/12	0/17	9/14	9/43
2	10/13	10/10	3/14	23/37
3	3/17	3/12	0/13	6/42
4	2/17	5/15	0/11	6/43
5	2/16	2/9	4/13	8/38

Disease incidence = $52/203 \times 100 = 25.6\%$



RECOMMENDATIONS TO COMBAT THE AMERICAN LEAF DISEASE



COFFEE INDUSTRY BOARD

758-3903 & 758-1259

1. Resuscitate the areas most seriously affected by the disease. Do this immediately after reaping.

Resuscitate by:

- a. Complete block
- b. Alternate rows

2. Remove and burn all vegetative materials (cut branches, leaves, weeds) from the field. Lime may also be applied to these materials.

3. If the complete block resuscitation method is done the following strategies are recommended:

- i. Reduce shade to allow for better penetration of sunlight

- ii. Clean weed the entire area that has been resuscitated

- iii. Apply calcium hydroxide/hydrated lime at 5lbs or 1 lb sodium pentaborate/200 L water after resuscitation and removal of debris.

- iv. Repeat calcium hydroxide application in dry period (July/August) to the new foliage and trunk.

- v. Also apply magnesium sulfate at a rate of 2 lbs/200 L water in July/August.

5. Where alternate row resuscitation is to be carried out the procedures are as follows:

- a. Resuscitate alternate rows in a 1 in 3 pattern.

- b. Reduce shade at the same time to allow for sunlight penetration.

- c. Remove and burn all cut material, example, branches and stems. These materials can also be treated with lime.

- d. Apply calcium hydroxide/hydrated lime at 5lbs/200 L water

- e. Apply magnesium sulfate to foliage at 2 lbs/200 L water

- f. Apply AteMi at 250 ml or Silvacur at 300 ml/200 L water to the entire farm. (where chemical mentioned are not available Tilt at 350ml and Bankit at 400 ml could be substituted)

- g. Always add sticker to the solution at 16 ounces/200 L

6. Repeat application in (f) during the dry period (July/August), or just before rainy season.

7. A third application should be done in September/October weather permitting. This should include:

- i. Magnesium sulfate as recommended above

- ii. AteMi or Silvacur (or the alternatives) as recommended above