IMPROVEMENT OF THE NATURAL ACTIVATING EFFECT OF DEFENSES AGAINST CLR IN COFFEE WITH CAFEDAK

Colombia 2015

GENERAL INFORMATION:

Country-State-Zone: Ecuador-Loja-Chaguarpamba
Property: Indera
SAS Follow-Up Manager: Mª Cecilia Núñez
Distributor: FARMAGRO
Responsible Distributor Technician: Geovanni Sarango
Trial start date: December 17, 2015

1. Objective of the trial:

- To evaluate the efficacy of Cafedak on the natural activation of defenses against CLR (*Hemileia vastatrix*) in coffee production, by foliar application, compared to an untreated control.

2. Materials and Methods:

In order to observe the results obtained in the improvement of the natural activating effect of defenses against CLR in coffee, a trial was carried out with the product Cafedak at different rate, comparing its effect to an untreated control.

Trial Data:

Variety: Caturra
Planting Date: 2012
Planting density: 2,023 trees/acre
Foliar application method: manual backpack pump sprayer
Water volume: 21 gal./acre
Altitude: 3,281 ft.
Average annual rainfall: 78.7 in.
Statistical study: Tukey test (p=0.05)

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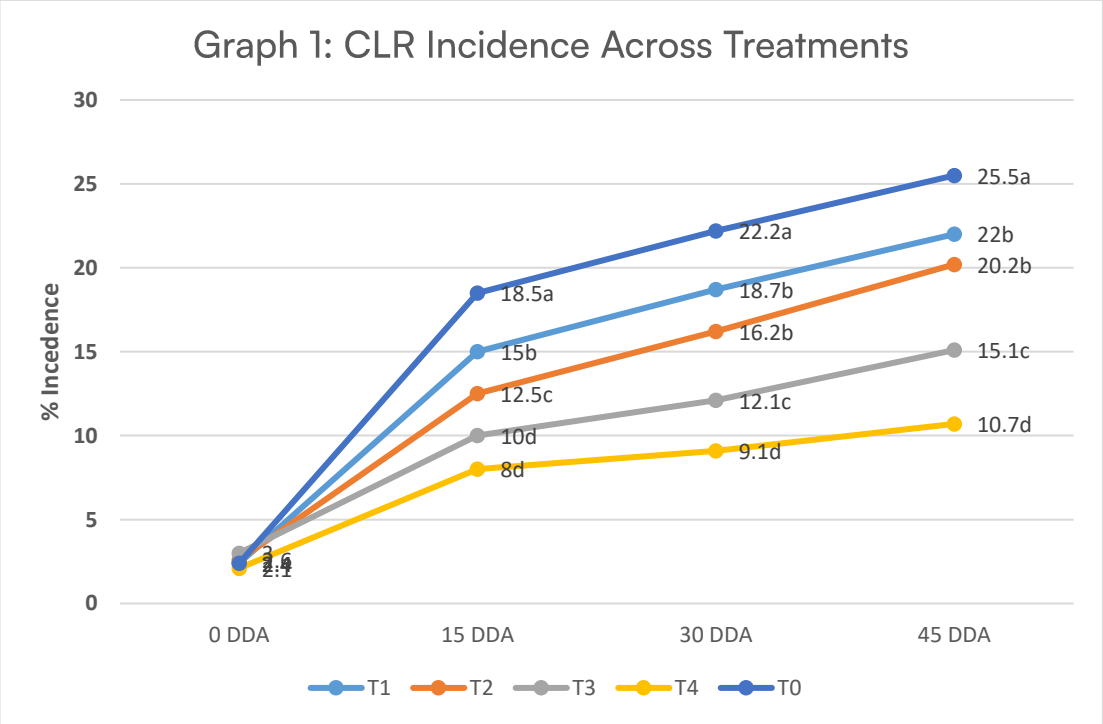
2.1 Treatments:

Tº	Products	Mode of App.	Rate/acre	# apps.	Moment of App.
T1	**Cafedak**	Foliar	1 pt.	2	40 days before flowering (< 3% incidence) 08/14/2015 (A) and 30 days after flowering 09/14/2015 (B)
T2	**Cafedak**	Foliar	1.5 pt.	2	
T3	**Cafedak**	Foliar	2 pt.	2	
T4	**Cafedak**	Foliar	2.5 pt.	2	
T0	**Absolute Control**	-	-	-	-

3. Results

To test the efficacy of cafedak, 4 reps. were carried out and a sampling of 30 plants/block to measure % incidence on leaves across trees and % severity on the leaves.



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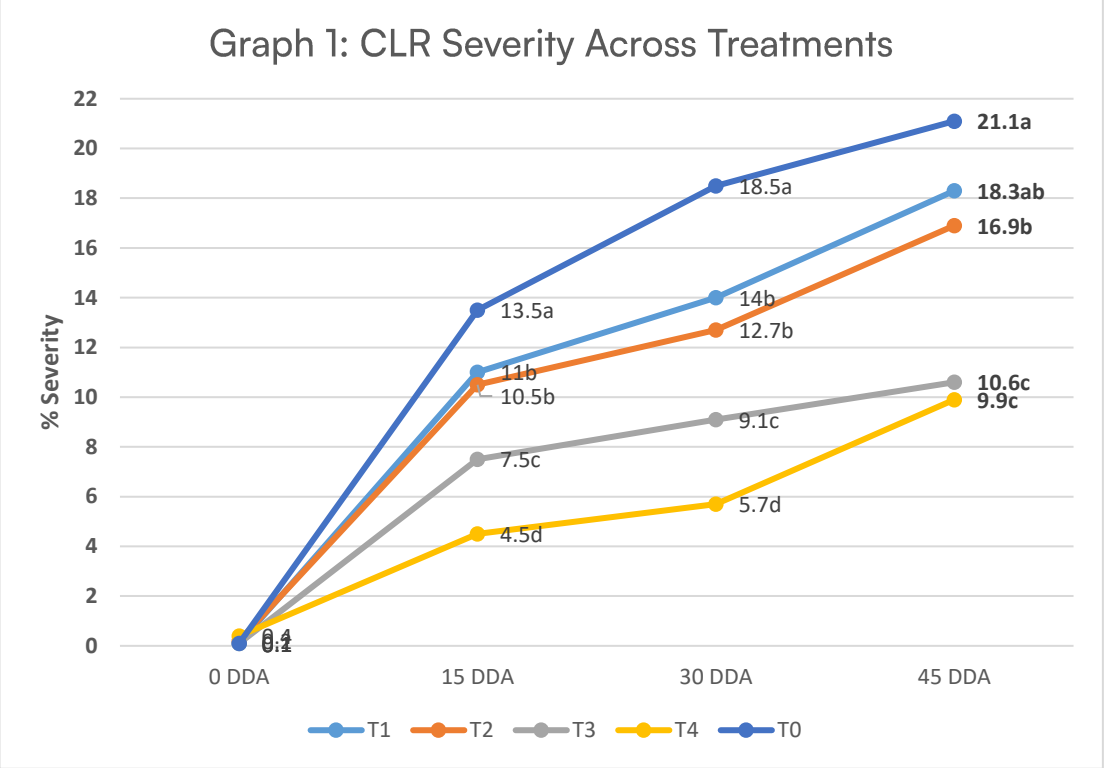

4. Conclusions

- For the evaluated parameters of % incidence in trees and % severity leaves, the most significant results are those obtained by applying Cafedak at different doses, compared to the untreated control, T4 being the most optimal rate.
- The efficacy on the natural control of the disease reaches values of up to 54%.
- A clear rate effect of Cafedak is observed, with the highest and most satisfactory being 2 and 2.5 pt. per acre.

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