

VINEYARD

TEST 1

A. Location

Farm name: Fundo Santa Amalia.

Grower: Agrícola y Vitivinícola Santa Amalia Ltda.

Address: Santa Amalia s/n.

Requinoa, VI Región.

Responsible: Ing. Agr. Mr. Héctor González.

Ing. Agr. Mr. Leonel Bravo.

Ing. Agr. Ms. Anita Kunz.

B. Crop

Variety: Cabernet Sauvignon.

Age: 40 years old.

Previous crop: Vineyard.

Irrigation system: Furrow irrigation.

C. Treatments

T₀= Control.

T₁= SINCOGIN 2 l/ha + AGRISPON 1.5 l/ha.

T₂= SINCOGIN 2 l/ha.

T₃= NEMACUR 400 EC 12 l/ha.

4 replicates per treatment with 12 plants per replicate

D. Application date

One month after bud-break (November 28, 1995).

E. Results

EFFECT OF SINCOCIN + AGRISPON, SINCOCIN AND NEMACUR ON THE NUMBER OF *MELOIDOGYNE SPP.*'S LARVAE ON VINEYARD (*Vitis vinifera* L.) cv. CABERNET SAUVIGNON, 60 AND 90 DAYS AFTER APPLICATION. SANTA AMALIA, REQUINOA 1995-1996.

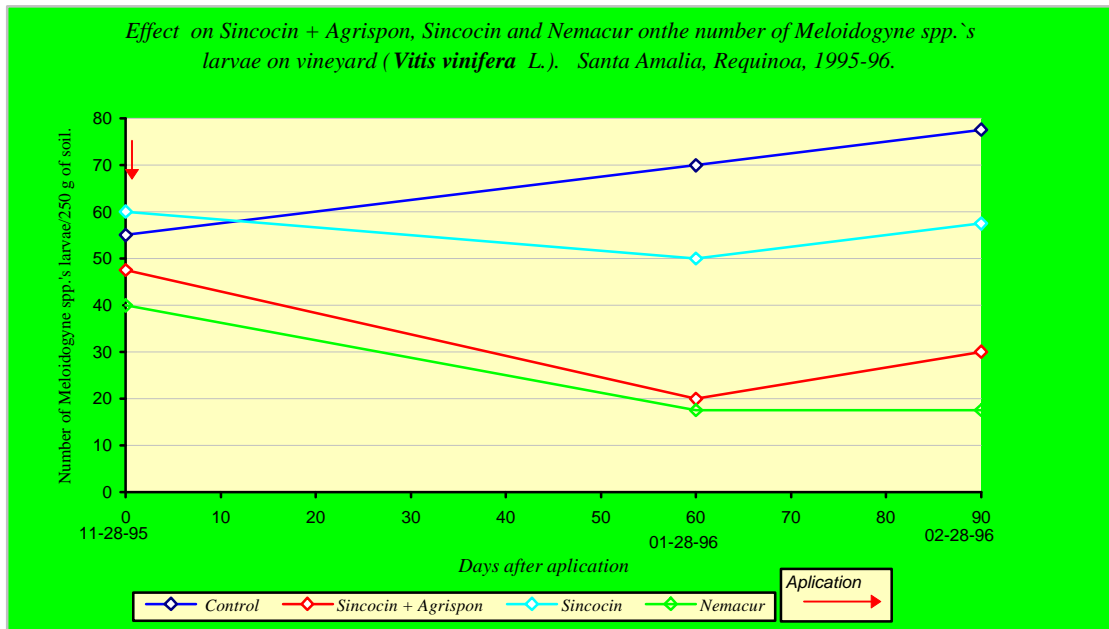
| TREATMENTS | Ip | P (60) | % C | P(90) | % C |
|------------------------------------|------|--------|-----|--------|-----|
| CONTROL | 55.0 | 70.0 a | 0 | 77.5 a | 0 |
| SINCOCIN 2 L/HA + AGRISPON 1.5L/HA | 47.5 | 20.0 c | 58 | 30.0 c | 37 |
| SINCOCIN 2 L/HA | 60.0 | 50.0 b | 17 | 57.5 b | 4 |
| NEMACUR 400 EC 12 /HA | 40.0 | 17.5 c | 56 | 17.5 c | 56 |

(11-28-95) (01-28-96) (02-28-96)

Means followed by the same letter are not significantly different at p = 0.05 according with DMS test.

NOTE:

- **Ip**: Initial population, of *Meloidogyne* spp.'s larvae, in 250 g of soil, before application.
- **P (60)** : Final population, of *Meloidogyne* spp. 's larvae, in 250 g of soil, 60 days after application.
- **P (90)** : Final population, of *Meloidogyne* spp. 's larvae, in 250 g of soil, 90 days after application.
- **% C** : Percentage of control.



EFFECT OF SINCOCIN + AGRISPON AND NEMACUR ON THE NUMBER OF SAPROPHYTIC NEMATODES ON VINEYARD (*Vitis vinifera* L.) cv. THOMPSON SEEDLESS, 60 AND 90 DAYS AFTER APPLICATION. SANTA AMALIA, REQUINOA 1995-1996.

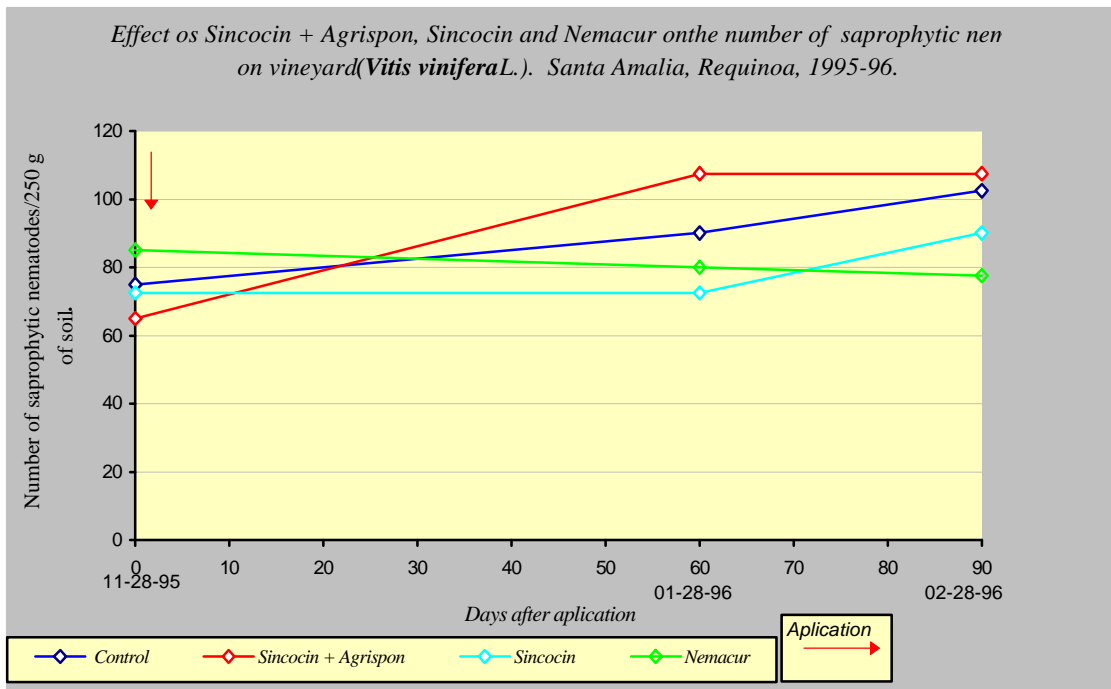
| TREATMENTS | Ip | P (60) | % I | P(90) | % I |
|-------------------------------------|------|---------|-----|---------|-----|
| CONTROL | 75.0 | 90.0 a | 20 | 102.5 a | 37 |
| SINCOCIN 2 L/HA + AGRISPON 1.5 L/HA | 65.0 | 107.5 a | 65 | 107.5 a | 65 |
| SINCOCIN 2 L/HA | 72.5 | 72.5 b | 0 | 90.0 ab | 24 |
| NEMACUR 400 EC12 L/HA | 85.0 | 80.0 b | 0 | 77.5 b | 0 |

(11-28-95) (01-28-96) (02-28-96)

Means followed by the same letter are not significantly different at p = 0.05 according with DMS test.

NOTE:

- **Ip: Initial population**, of saprophytic nematodes, in 250 g of soil, before application.
- **P (60) : Final population**, of saprophytic nematodes, in 250 g of soil, 60 days after application.
- **P (90) : Final population**, of saprophytic nematodes, in 250 g of soil, 90 days after application.
- **% I : Percentage of increase**.



TEST 2

A. Location

Farm name: Viña Concha y Toro.

Grower: Viña Concha y Toro.

Address: Santa Rosa 821.

Paradero 45, Santiago.

Responsible: Ing. Agr. Mr. Héctor González.

Ing. Agr. Mr. Carlos Valdivia.

Ing. Agr. Ms. Anita Kunz.

B. Crop

Variety: Cabernet Sauvignon.

Age: 35 years old.

Previous crop: Vineyard.

Irrigation system: Furrow irrigation.

C. Treatments

T0= SINCOGIN 2 l/ha.

T1= SINCOGIN 4 l/ha.

T2= SINCOGIN 2 l/ha + AGRISPON 1.5 l/ha.

T3= SINCOGIN 4 l/ha + AGRISPON 1.5 l/ha.

T4= NEMACUR 400 EC12 l/ha.

T5= Control.

6 replicates per treatment with 12 plants per replicate.

D. Application date

One month after bud-break (November 28, 1995).

E. Results

EFFECT OF SINCOGIN + AGRISPON, SINCOGIN AND NEMACUR ON THE NUMBER OF PARASITIC NEMATODES ON VINEYARD (*Vitis vinifera* L.) cv. CABERNET SAUVIGNON, 60, 90 AND 120 DAYS AFTER APPLICATION. VIÑA CONCHA Y TORO, SANTIAGO 1995-1996.

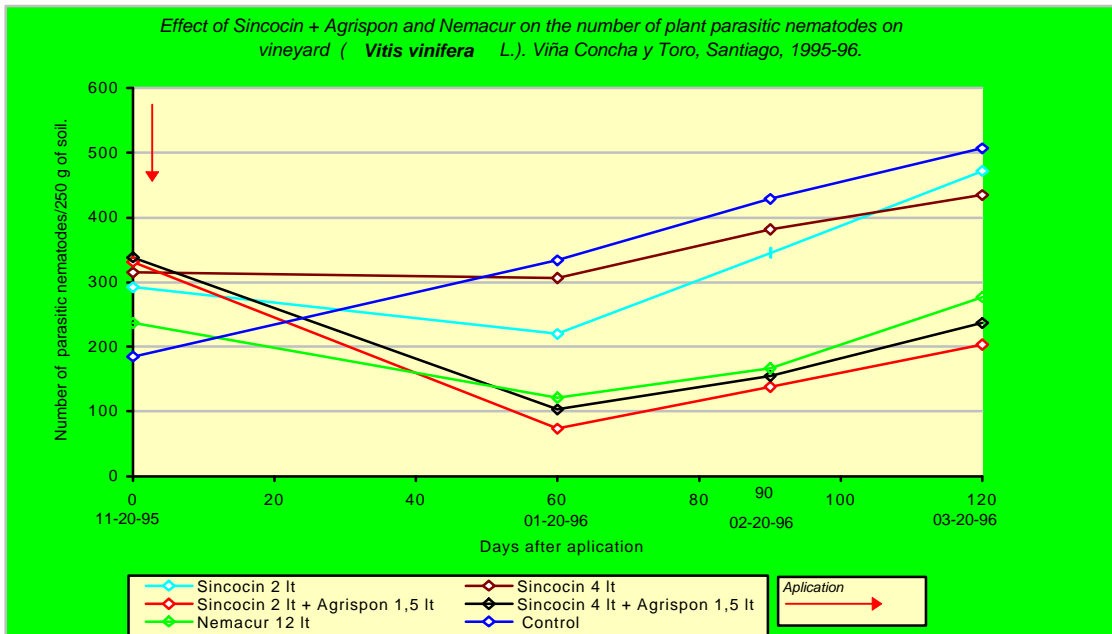
| TREATMENT | Ip | P (60) | % C | P (90) | % C | P(120) | % C |
|--|-------|----------|-----|---------|-----|----------|-----|
| CONTROL | 185.0 | 334.0 a | 0 | 428.3 a | 0 | 506.6 a | 0 |
| SINCOGIN 2 L/HA + AGRISPON 1.5 L/HA | 331.6 | 73.3 d | 78 | 138.3 c | 59 | 203.3 d | 39 |
| SINCOGIN 4 L/HA AGRISPON 1.5 L/HA | 338.3 | 103.3 cd | 69 | 155.0 c | 54 | 236.6 dc | 30 |
| SINCOGIN 2 L/HA | 291.6 | 220.0 b | 25 | 345.0 b | 0 | 471.6 ab | 0 |
| SINCOGIN 4 L/HA | 315.0 | 306.6 a | 4 | 381.6 b | 0 | 435.0 b | 0 |
| NEMACUR 400 EC 12 L/HA | 236.6 | 121.6 c | 49 | 166.6 c | 29 | 276.6 c | 0 |

(11-20-95) (01-20-96) (02-20-96) (03-20-96)

Means followed by the same letter are not significantly different at p = 0.05 according with DMS test.

NOTE:

- **Ip: Initial population**, of parasitic nematodes, in 250 g of soil, before application.
- **P (60) : Final population**, of parasitic nematodes, in 250 g of soil, 60 days after application.
- **P (90) : Final population**, of parasitic nematodes, in 250 g of soil, 90 days after application.
- **P (120): Final population**, of parasitic nematodes, in 250 g of soil, 120 days after application.
- **% C : Percentage of control**.



EFFECT OF SINCOCIN + AGRISPON AND NEMACUR ON THE NUMBER OF
SAPROPHYTIC NEMATODES ON VINEYARD (*Vitis vinifera* L.) cv. THOMPSON
SEEDLESS, 60, 90 AND 120 DAYS AFTER APPLICATION.
VIÑA CONCHA Y TORO, SANTIAGO, 1995-1996.

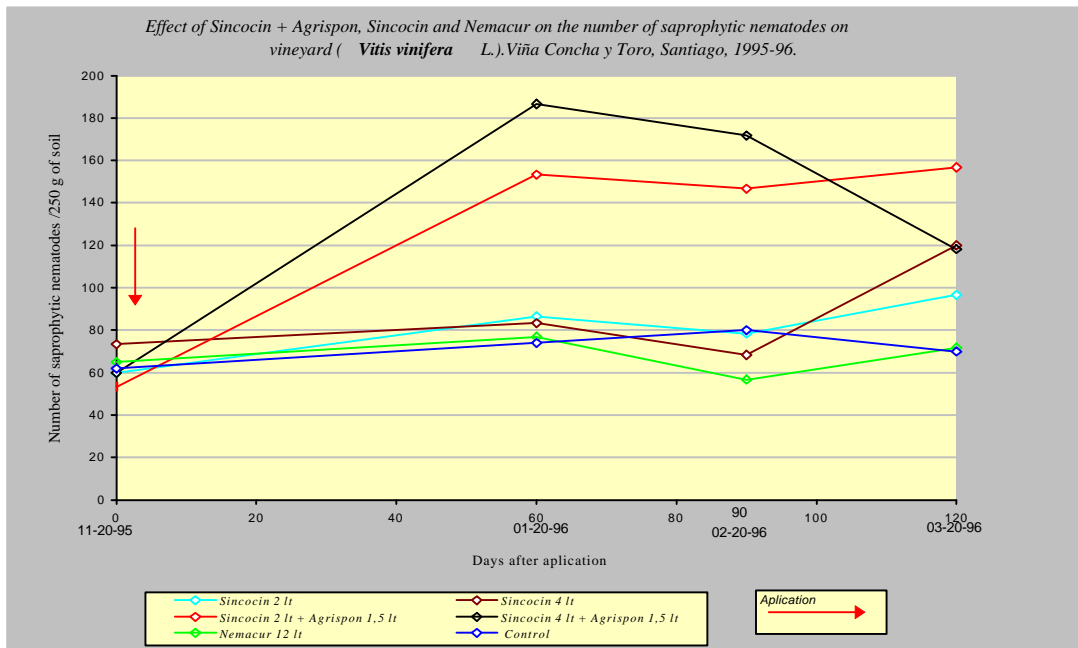
| TREATMENTS | Ip | P (60) | % I | P(90) | % I | P(120) | % I |
|--|------|---------|-----|---------|-----|---------|-----|
| CONTROL | 62.0 | 74.0 c | 19 | 80.0 c | 29 | 70.0 c | 13 |
| SINCOCIN 2 L/HA + AGRISPON 1.5 L/HA | 53.3 | 153.3 b | 188 | 146.6 b | 175 | 156.6 a | 194 |
| SINCOCIN 4 L/HA + AGRISPON 1.5 L/HA | 60.0 | 186.6 a | 211 | 171.6 a | 186 | 118.3 b | 97 |
| SINCOCIN 2 L/HA | 60.0 | 86.6 c | 44 | 78.3 c | 31 | 96.6 cb | 61 |
| SINCOCIN 4 L/HA | 73.3 | 83.3 c | 14 | 68.3 c | 0 | 120.0 b | 64 |
| NEMACUR 400 EC12 L/HA | 65.0 | 76.67c | 18 | 56.6 c | 0 | 71.6 c | 6 |

(20-11-95) (20-01-96) (20-02-96) (20-03-96)

Means followed by the same letter are not significantly different at $p = 0.05$ according with DMS test.

NOTE:

- **Ip: Initial population**, of saprophytic nematodes, in 250 g of soil, before application.
- **P (60) : Final population**, of saprophytic nematodes, in 250 g of soil, 60 days after application.
- **P (90) : Final population**, of saprophytic nematodes, in 250 g of soil, 90 days after application.
- **P (120): Final population**, of saprophytic nematodes, in 250 g of soil, 120 days after application.
- **% I : Percentage of increase**.



TEST 3

A. Location

Farm name: Fundo de Casablanca.

Grower: Viña Santa Rita S.A.

Responsible: Ing. Agr. Mr. Erwin Aballay.

B. Crop

Variety: Chardonnay.

Age: 3 years old.

Previous crop: Vineyard.

Irrigation system: Drip irrigation.

C. Treatments

T0= Control.

T1= SINCOGIN 2 l/ha + AGRISPON 1.5 l/ha.

T2= SINCOGIN 2 l/ha + AGRISPON 1.5 l/ha + guano 4 Kg/plant.

T3= NEMACUR 400 EC 12 l/ha.

4 replicates per treatment with 12 plants per replicate

D. Application date

Three weeks after harvest (April 17, 1996).

E. Results

EFFECT OF SINCOCIN + AGRISPON, SINCOCIN + AGRISPON + GUANO AND NEMACUR ON THE NUMBER OF *MELOIDOGYNE* SPP.'S LARVAE, ON VINEYARD (*Vitis vinifera* L.) cv. CHARDONNAY, 30 DAYS AFTER APPLICATION. VIÑA SANTA RITA, CASABLANCA 1996.

| TREATMENTS | Ip | P (30) | % C |
|---|------|--------|-----|
| CONTROL | 1528 | 537 b | 65 |
| SINCOCIN 2 L/HA + AGRISPON 1.5 L/HA | 1357 | 6.5 c | 99 |
| SINCOCIN 2 L/HA + AGRISPON 1.5 L/HA + GUANO | 589 | 153 b | 74 |
| NEMACUR 400 EC 12 L/HA | 630 | 450 a | 29 |

Means followed by the same letter are not significantly different at $p=0.01$, according to Duncan's Multiple Range Test.

NOTE:

- **Ip:** Initial population, of *Meloidogyne* spp., in 250 g of soil, before application.
- **P (30):** Final population, of *Meloidogyne* spp., in 250 g of soil, 30 days after application.
- **% C:** Percentage of control.

