



**Metalosate**<sup>®</sup>

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Albion<sup>®</sup>  
Technology

Balchem<sup>®</sup> Plant Nutrition Research Paper

# Field trial on Metalosate Tropical on Cherries and Walnuts

Especialidades Tattersall 2018

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Fields owners:

Cherry: Alvaro Salas, Romeral

Walnut: Agrícola Fiume, Lo Herrera

## **Objectives:**

- Improve lignification and concentrate leaves drop;
- Increase the Arginine, Starch, Protein reserves and improve dry matter;
- Improve spring bud break.



El **Unico** fertilizante foliar quelatado y complejo con aminoácidos con procesos de formulación patentados



## Metalosate TROPICAL™

### Principales Características

#### ANALISIS GARANTIZADO: (p/p)

Magnesio (Mg) (quelato).....	0.50%
Boro (B) (complejo) .....	1.00%
Hierro (Fe) (quelato).....	0.66%
Molibdeno (Mo) (complejo).....	0.10%
Zinc (Zn) (quelato) .....	2.00%

Recomendaciones de Uso

Cultivos

Estados Unidos

Brasil

Chile

## Metalosate Tropical on Cherries

- Pictures
- Spray date: April 1° 2014
- Variety Bing on Mereciere root stock
- Orchard age: 20 years
- Spray solution rate: 1500 lts ha
- Analysis: arginine, dry matter, protein and starch
- Spray rates: 1,5 and 3 lts/ha



## Control – April 10



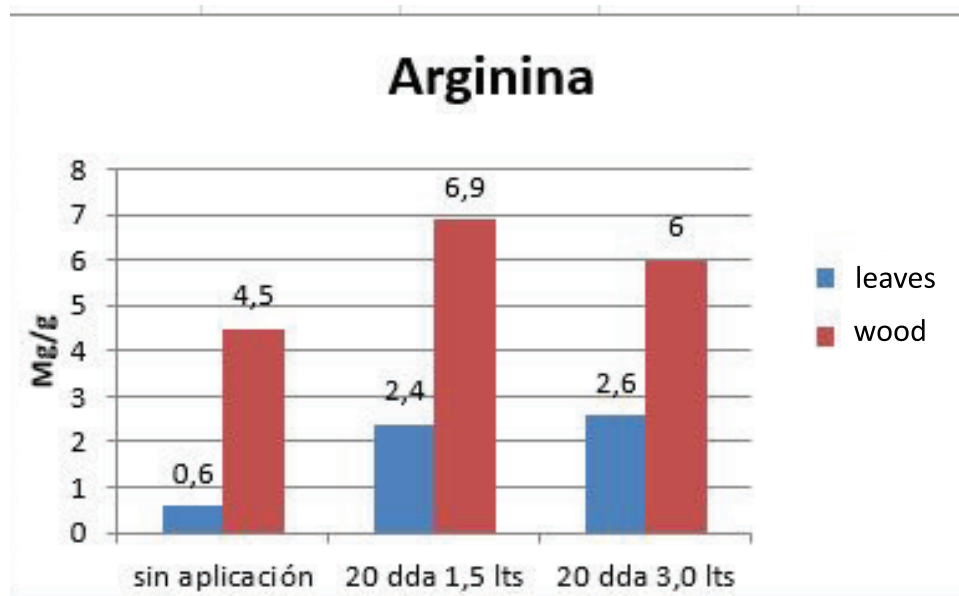
## Metalosate Tropical 10 days later



## Metalosate Tropical 20 days later

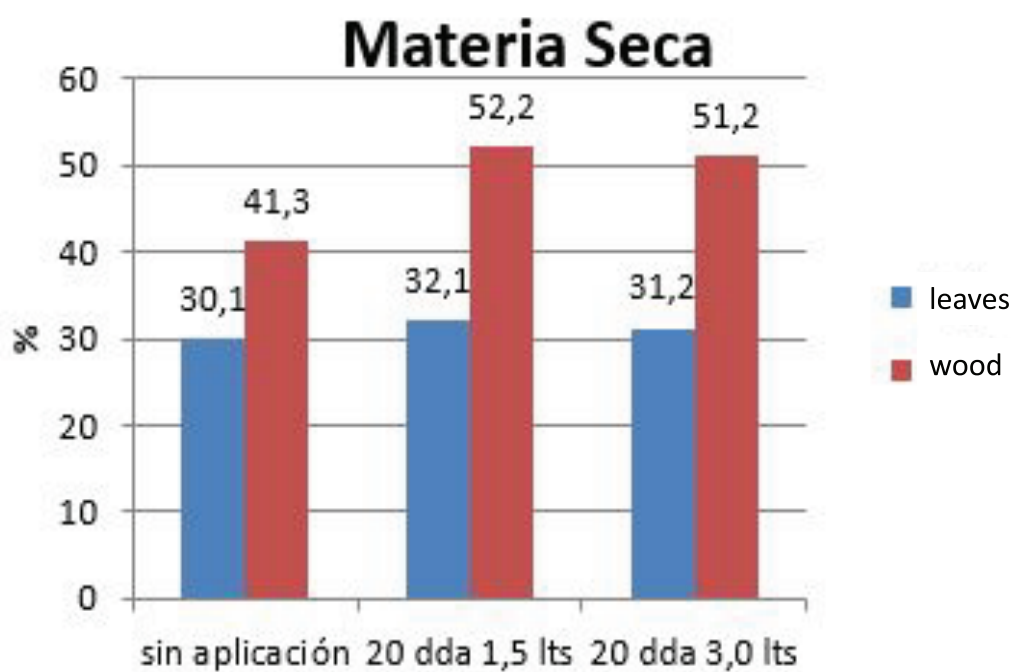


## Arginine levels

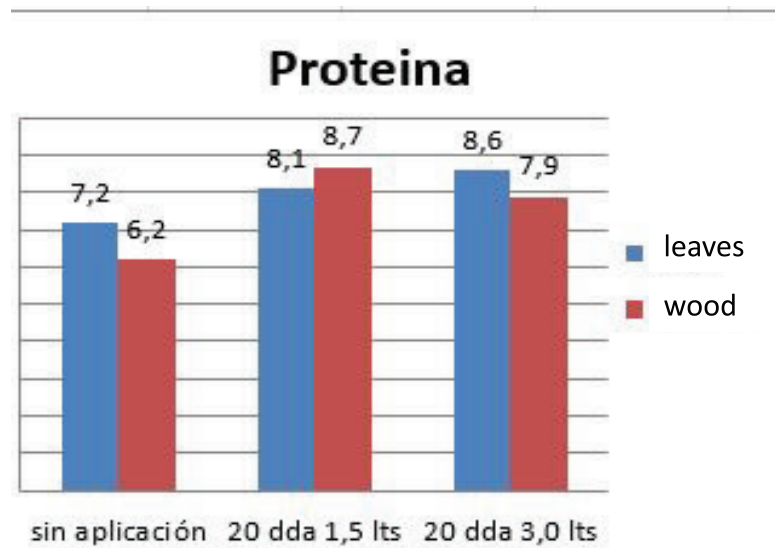




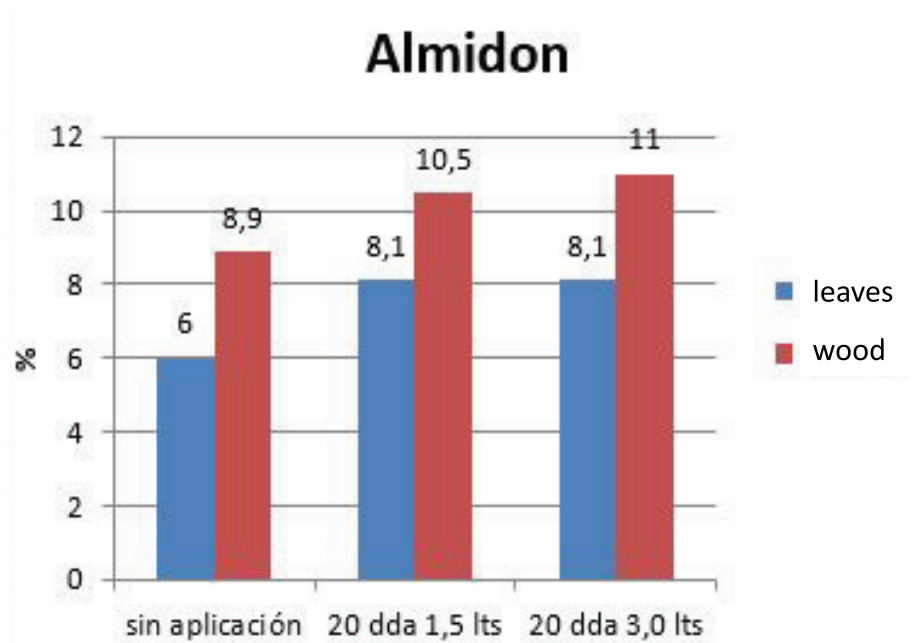
## Dry matter levels



## Protein levels



## Starch levels



## Trial Metalosate Tropical x Nitrate Balancer (Stoller) on Walnuts

- Variety Chandler
- 6 years old
- Pi Jungland Regia
- 7x5
- P(x) 5.000 Kg/ha
- Sample date 08/02/17

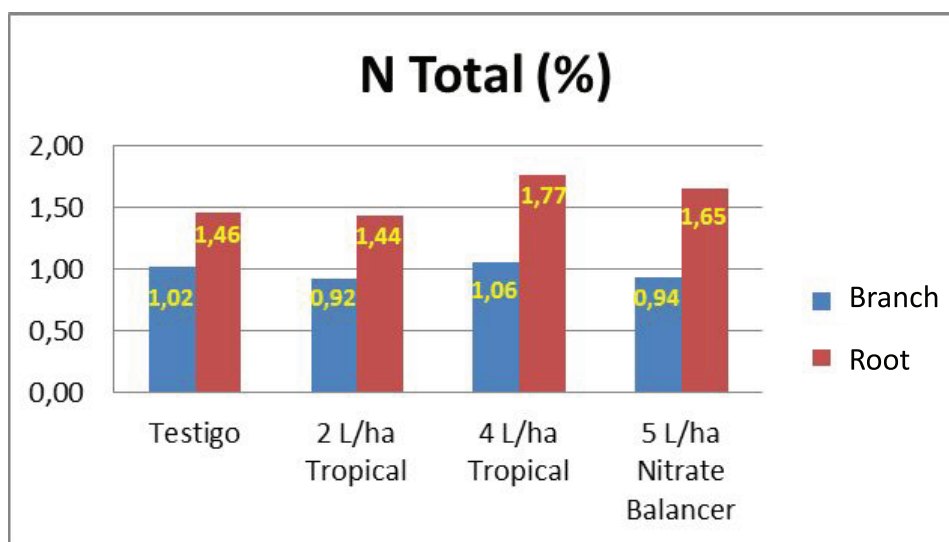


## Treatments

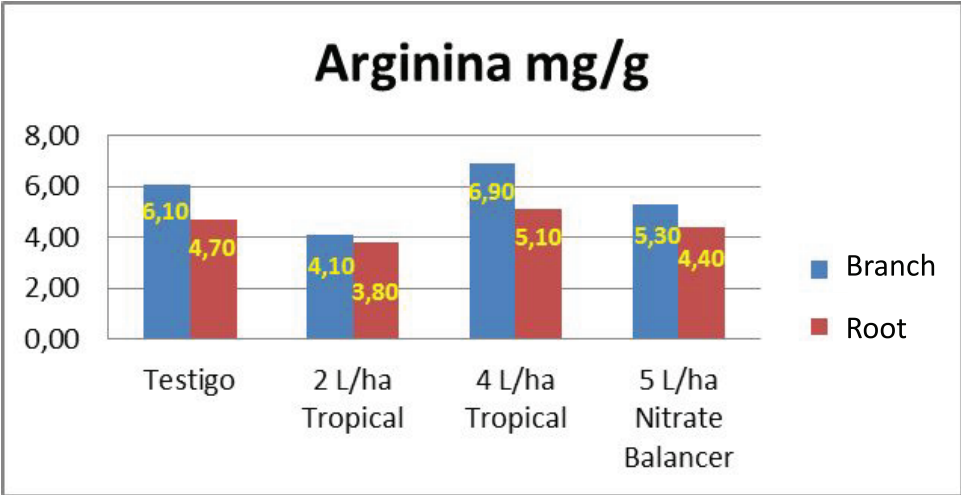
Tratamineto	Dosis	Producto
T1	0	Testigo
T2	2	Lts/ha Metalosate Tropical
T3	4	Lts/ha Metalosate Tropical
T4	5	Lts/ha Nitrate Balancer



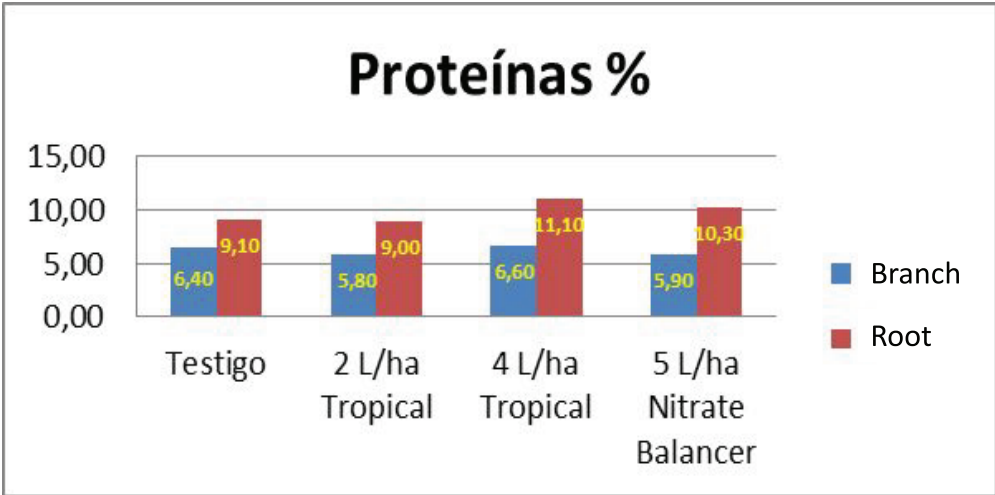
## Total N levels



# Arginine levels

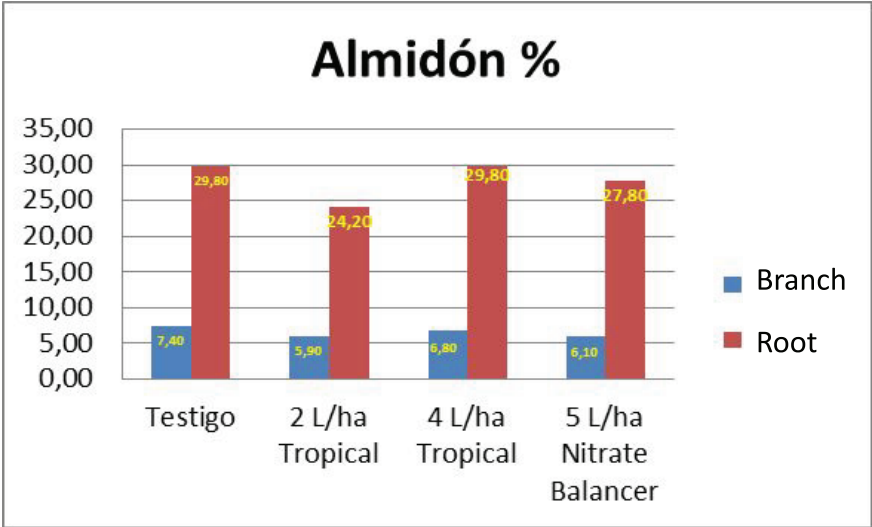


# Proteínas levels





# Starch levels



## Cost comparison

T/C	607,6					
Especie	Tropical Cerezos y Nogales		Nitrate Balancer	Urea + Sulfato Zn		
Vigor	Normal	High - Walnut		Urea	Sulfato Zn	Total
Dosis Lts/ha	2	4	5	40	40	80
US\$/Lt	17	17	11	245	470	715
<b>US/ha</b>	<b>34</b>	<b>68</b>	<b>55</b>	<b>16</b>	<b>31</b>	<b>47</b>
CLP \$	20.658	41.317	33.418	9.800	18.800	28.600
Precios referenciales al 19-03-18						