Research bulletin

FUNGOUT

Fungicide & Bactericide

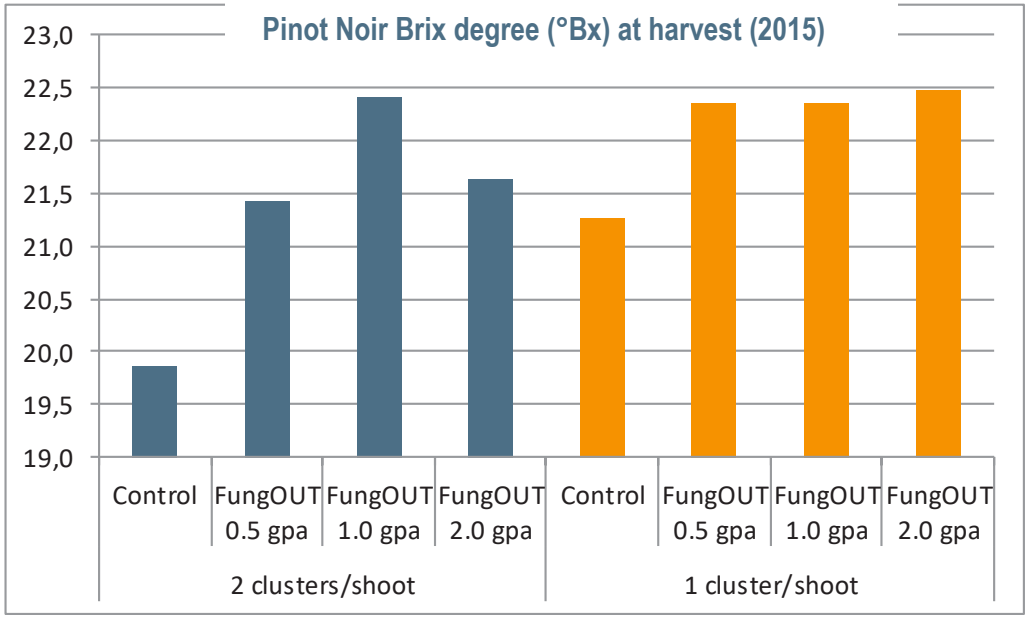
OMRI LISTED For Organic Use

Evaluation of the impact of FungOUT on quality parameters of grapes

FungOUT maintains Brix level when crop load is doubled

RESULTS 2015

- Variety: Pinot Noir
- Location: Palmyra Vineyards, Niagara region, Ontario
- Comparative treatments: 3 rates of FungOUT (0.5, 1.0 and 2.0 gpa) combined to 2 thinning managements: 1 or 2 clusters per shoot
- Experimental design: randomized complete block design (4 replicates)
- Spray volume: 50 gpa
- Treatments frequency and interval : 4 comparative treatments and 14 days interval which begins 2 weeks after petal fall
- Maintenance: Conventional disease management and complete fertilisation program



Unthinned shoots with FungOUT treatments had comparable Brix degree than the thinned shoots without FungOUT.

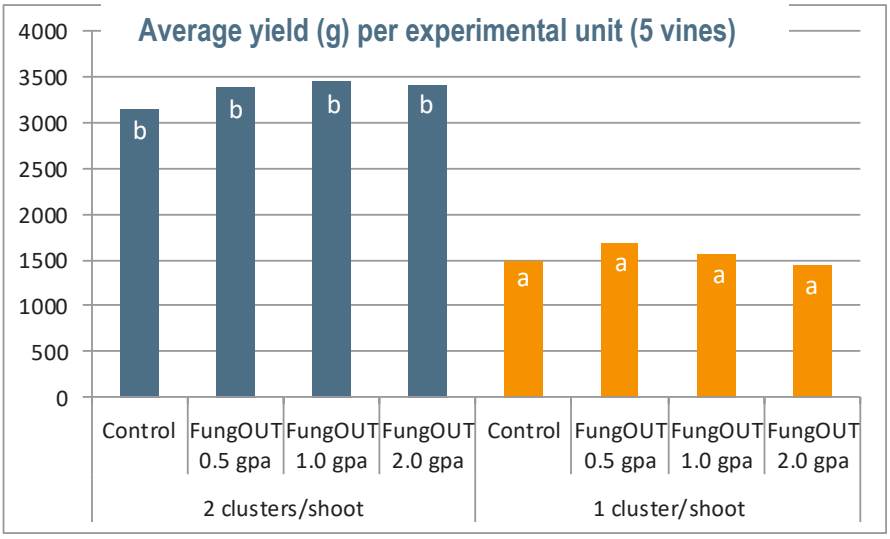
Significant difference is observed between control (2 clusters / sprout) and other treatments for Brix level at harvest (p = 0.04; 19.9 vs 22.0 °Bx) as well as total acidity (p= 0.02; 8.38 vs 7.54 g/L)

Updated: 24-01-2018

AEF GLOBAL Biopesticides

Research bulletin

The increase of the Brix degree is not caused by a decrease of the yield.

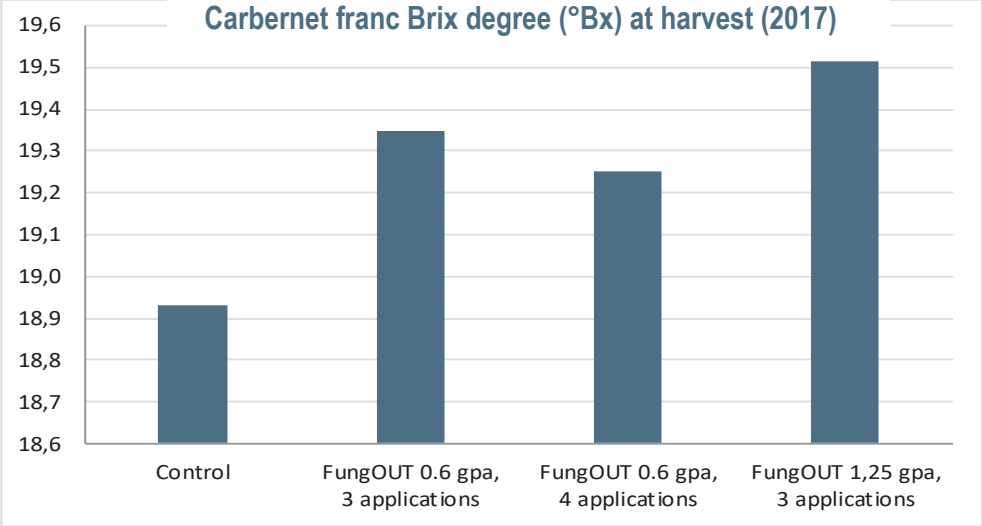


Means not followed by a common letter are significantly different (P=0.05) as determined by Tukey test.

Phenolic compounds analysis of the berries made by ETS Laboratories in California did not show significant difference between the following compounds: Catechin, Quercetin, Glycosides, Tannins, Polymeric anthocyanin, Total anthocyanin, Catechin/Tannins ratio and Polymeric anthocyanin/Tannins ratio.

RESULTS 2017

- Variety: Cabernet franc
- Location: Niagara region, Ontario
- Comparative treatments: 2 rates of FungOUT (0.6 and 1.25 gpa) with 3 or 4 applications
- Experimental device: randomized complete block design (8 replicates)
- Spray volume: 50 gpa
- Treatments frequency and interval : 3-4 comparative treatments and 14 days interval which begins 4 weeks after petal fall
- Maintenance: Conventional pest management and complete fertilisation program



The low rate of FungOut applied 3x or 4x had comparable Brix degree at harvest.

Significant difference is observed between control and other treatments for Brix level at harvest ($p = 0.0163$). No difference for pH ($p = 0.4927$) and titratable acidity ($p = 0.8939$)

925 des Calfats• Lévis (QC) G6Y 9E8
Toll free: 1 (866) 622-3222 • Tel.: (418) 838-4441 • Fax: (418) 838-9909 • Email: info@aefglobal.com
www.aefglobal.com