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Station d'expérimentations

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Protection against the black currant bud mite

- Eradication in 2003 thanks to a hot and dry summer

- Comeback during the 2010's and increase of the damages since 3 to 4 years

- Grown varieties are sensitive : Andéga is strongly sensitive, Blackdown is sensitive, Noir de Bourgogne less sensitive.

Chemical protection

- No authorized acaricides.
- Sulfur in process of authorization.

Monitoring of the bud mite population

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Counting the number of swollen buds
Counting on 40 contaminated bushes
- **Before treatment**
- **After treatment (1 year later)**

Treatment depending on the intensity of the migrations

Migration phase linked to the opening of the buds :
- Period : C3 D stage (end of march) to early june – maximum of emergences around flowering (middle of april).
- Intensity of the emergence depends on the temperature : Temperature > 15°C

Trials with sulfur-based preparations

	C3-D 10/03	E-E2 29/03	E2-F1 8/04	F1 + 10 d 20/04	F1 + 19 d 29/04	Post harvest 19/08*	Post harvest 02/09*
T0							
T1	**Pyridabène** Nexter 0.2 kg	**Pyridabène** Nexter 0.2 kg	**Pyridabène** Nexter 0.2 kg	**Pyridabène** Nexter 0.2 kg	**Pyridabène** Nexter 0.2 kg		
T2	**Sulfur** MSD 5 kg	**Sulfur** MSD 5 kg	**Sulfur** MSD 3 kg	**Sulfur** MSD 2.5 kg	**Sulfur** MSD 2.5 kg		
T3						**Sulfur** MSD 7.5 kg	**Sulfur** MSD 7.5 kg

Microthiol Special Disperss = 80% sulfur
Nexter Pro (0.2 kg/ha): 75 % Pyridabène. Reference-acaricide removed from the market

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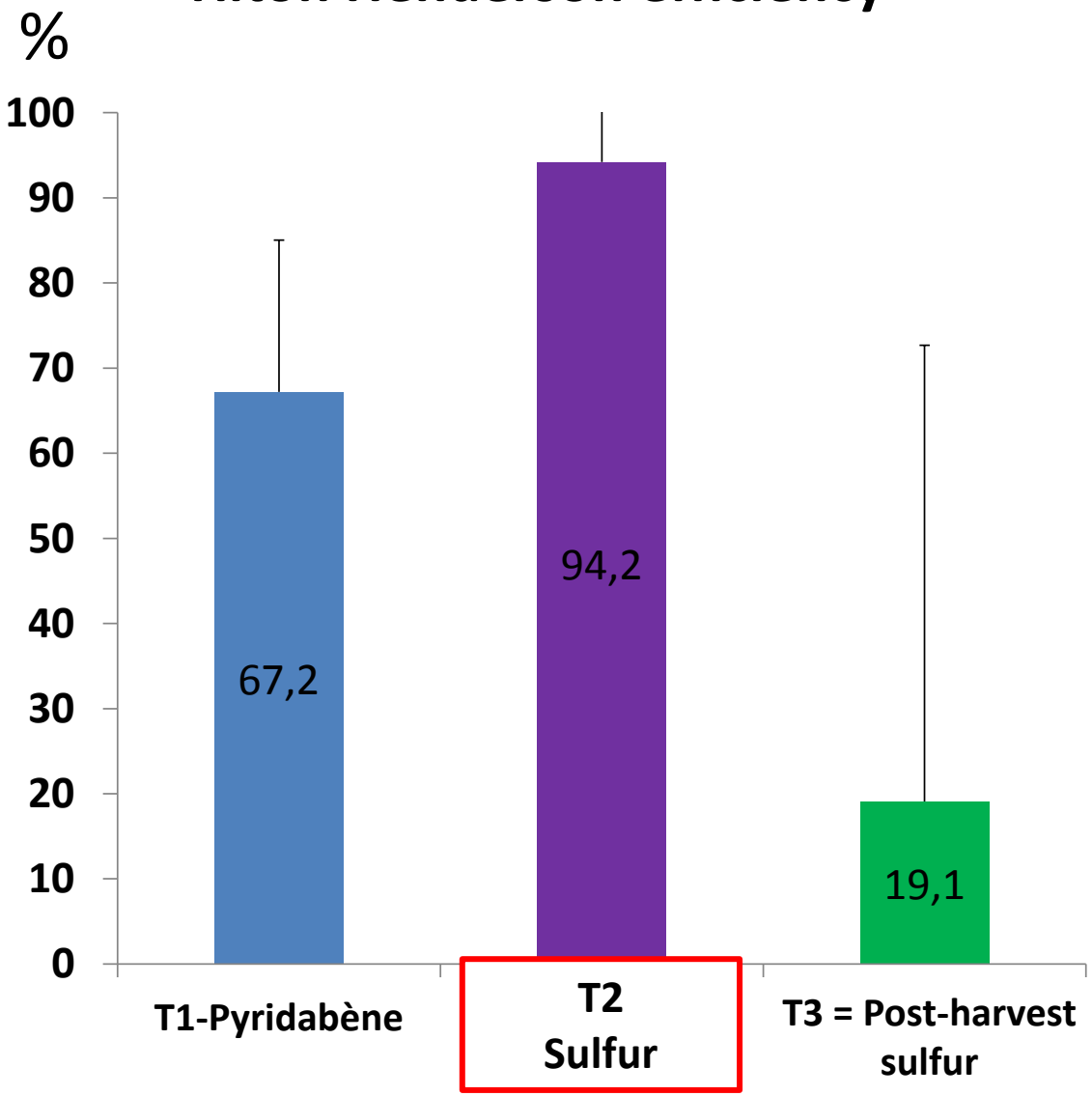
Tilton Henderson efficiency



Post-flowering intervention can induce phytotoxicity : discoloring of leaves.

Varieties show different degrees of sensitivity.

Conclusion:

- Sulfur program more effective than acaricide reference.

- Post-flowering intervention can induce phytotoxicity : discoloring of leaves. (Sensitive varieties.)

- Post-harvest interventions are less effective.

Directions for use :

Interventions before flowering advised.

Interventions on dry leaves.

Adapting treatment doses to the temperature.

Thanks for your attention !

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