



TRIAL ON TOBACCO MOUTIERS SUR LE LAY, FRANCE

KTS® is a clear, chloride-free solution that features the highest potassium and sulfur content available on the market.

CaTs® is a clear liquid fertilizer containing calcium and sulfur that reduces the harmful effects of salt, such as sodium, in the soil, and it can work as a soil amendment.

N-Sure® (28-0-0) is a clear, liquid nitrogen fertilizer containing the patented slow-release nitrogen (SRN) compound Triazone™, which enhances nitrogen absorption, translocation and remobilization.

Year: 2015

Cooperation with: Farmer Anthony Forgerit/Arvalis

Type of application: fertigation

Parameters measured: yield, nicotine, calcium, potassium, sulfur, dry matter

Goal:

Measure use of CaTs, KTS, N-Sure to take out of a growing heterogeneity problem



METHODOLOGY

Applications of CaTs, KTS, N-Sure have been done to solve several issue:

- CaTs to improve homogeneity and solve crusting soil trouble.
- KTS to improve tobacco growing and good quality on leaves quality.
- N-Sure to support extra development with small nitrogen input.

TREATMENT

TREATMENT	FARMER PRACTICE	THIOSULFATES
Calcium	0	CaTs
	0	3x10 l/ha
Potassium	126.5	KTS
		3x10 l/ha
Nitrogen	27.8	N-Sure
		1x10 l/ha
Phosphorus	50.6	
Sulfur	113.85	

Treatment timing: fertigation

N-Sure: July 18, 2015

KTS: July 18, 2015 - August 4, 2015; August 18, 2015

CaTs: July 28, 2015 - August 11, 2015; August 27, 2015

Total nutriment apply with fertilizers: N = 7 ; P₂O₅ = 0 ; K₂O = 14.6 ; CaO = 1.05 ; SO₃ = 34.16

RESULTS

After all harvesting operation

TREATMENT	YIELD AFTER DRYING (KG/HA)
Control	3,466
KTS/CaTs	3,622 + 5.6% on DM

CONCLUSION

This small schedule of N-Sure, CaTs, KTS during two months of growing have very good results on tobacco growing. Heterogeneity disappear and fertilizer apply affect the yield.

Our fertilizer **improve the yield of 5.6%** on dry matter. Incomes uptake of 588€/ha with **input increase of 99.46€/ha**, the farmer **margin improve of 488€ /ha!** CaTs and KTS added give a better control on nicotine rate which is a very important topic on tobacco leaves. Too high level of nicotine could be a lower sale price for the farmer. Potassium and calcium are very important in tobacco growing, our fertilizer show a very good efficiency to work through a growing issue. Leaves analysis indicate a better assimilation of calcium and potassium.



Our experts are familiar with your region and crops.

Their support includes:

- Agronomic advice
- Providing technical information
- Carrying out field studies that are specific to your issues
- Providing application and storage tips

For more contact information: Tessenderlo Kerley International, part of Tessenderlo Group

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