



PREMIUM LEAF TOBACCO TRIALS 2020/2021

FARMER :- ALFRED MARAZANYE

GROWERS NUMBER :- V178406

AREA :- KAROI

DATE PLANTED :- 25/11/2020

FERTILIZERS AND CHEMICALS BEING TRIALED

Row	Fertilizer	AT PLANTING	AT PLANTING	AT PLANTING	6 WEEKS	7 WEEKS	AT TOPPING	9 WEEKS
Row 1	Conventional High C 6.28.23	Calsap	Orizon	Bullet	Orizon		N'Decanol	
Row 2	Conventional High C 6.28.23	Calsap	Orizon	Bullet	Orizon	Bion	N'Decanol	
Row 3	Conventional High C 6.28.23	Ezyflow lime	Orizon	Bullet	Orizon	Bion	Flumetralin Duo	
Row 4	Conventional High C 6.28.23	Ezyflow lime	Orizon	Cyantraniliprole	Orizon	Bion	Flumetralin Duo	
Row 5	Conventional High C 6.28.23		Orizon	Cyantraniliprole	Magmectin		Flumetralin Duo	
Row 6	Lime Blend 5.28.23	Calsap		Cyantraniliprole	Magmectin		Flumetralin Duo	
Row 7	Lime Blend 5.28.23	Calsap		Cyantraniliprole	Magmectin		Flumetralin Duo	
Row 8	Lime Blend 5.28.23	Ezyflow lime		Cyantraniliprole	Belt	Azoxy Duo	N'Decanol	Azoxy Duo
Row 9	Lime Blend 5.28.23	Ezyflow lime	Bullet	Imidacloprid	Belt	Azoxy Duo	N'Decanol	Azoxy Duo
Row 10	Lime Blend 5.28.23		Bullet	Imidacloprid	Belt	Azoxy Duo	N'Decanol	

AT PLANTING.
THERE WAS A LOT
OF OLD MAIZE
STALKS LEFT IN THE
LANDS WHICH HAD
A FAIR AMOUNT OF
INSECTS LIVING
INSIDE OF THEM.



MR MARAZANYE AND MR MAPONGA APPLYING CHEMICALS IN THE LANDS





ALFREDS SIGNS FOR THE TRIAL AREA





AS OF 26/12/2020 ALL PLANTS WERE APHID FREE WITH VERY FEW INSECTS IN THE LANDS. NO INSECT DAMAGE HAD BEEN CAUSED.

05/01/2021 STEMS WERE CHECKED AND NO DAMAGE WAS VISIBLE BY ANY INSECTS.





07/01/2021

- HAIL AND WINDSTORM HIT THE ENTIRE CROP.



↑ 26/12/2020

A SINGLE
TOBACCO PLANT
FROM ROW 8

↓ 05/01/2021



↑ 07/01/2021





A SAMPLE FROM ROW 2 (WITH ORIZON) AND ROW 9(WITHOUT ORIZON) BOTH HAVE BEEN SENT TO KUTSAGA FOR NEMATODE ANALYSIS



AFTER THE HAIL BION WAS APPLIED TO
THE TRIAL AREA. AFTER NEARLY 3 WEEKS
THERE IS NO DISEASE IN THE TOBACCO



26/01/2021



03/01/2021 THE TOBACCO IS STILL DISEASE FREE. ALL OF THE TOBACCO IS DISEASE FREE INCLUDING THE TOBACCO THAT IS NOT IN THE TRIAL AREA.



A FEW OF THE LEAVES ARE DAMAGED BUT MAJORITY ARE LOOKING HEALTHY. THE INSECTS DON'T APPEAR TO BE A PROBLEM IN ANY OF ALFREDS TOBACCO INCLUDING THE TRIAL AREA.

SEAN PRICE AND ALFRED DISCUSSING THE IDEAL TOPPING HEIGHTS AFTER A HEAVY HAILSTORM





ALFRED HAS STARTED REAPING THE TOBACCO FROM THE TRIAL AREA. AFTER THE HAIL IT HAS RECOVERD NICELY BUT TOPPING THE PLANT A LITTLE BIT LOWER WOULD HAVE HELPED THE LEAVES FILL OUT A LITTLE BIT MORE.



02/03/2021 FIRST REAPING FROM THE TRIAL AREA.
THE TOBACCO HAS NO DISEASE AFTER THE HAIL.

THE WEIGHTS AND RECORDINGS OF THE FOUR REAPINGS.

1ST REAPING			
ROW	LEAVES	WEIGHT KG'S	AVERAGE LEAF WEIGHT
1	65	0.55	0.008
2	72	0.75	0.01
3	62	0.7	0.011
4	60	0.7	0.012
5	58	0.55	0.009
6	63	0.65	0.01
7	64	0.6	0.009
8	66	0.6	0.009
9	58	0.6	0.01
10	62	0.55	0.009

2ND REAPING			
ROW	LEAVES	WEIGHT KG'S	AVERAGE LEAF WEIGHT
1	75	0.75	0.01
2	75	0.8	0.011
3	75	0.9	0.012
4	78	0.9	0.012
5	69	0.7	0.01
6	81	0.8	0.01
7	75	0.8	0.011
8	71	0.85	0.012
9	75	0.75	0.01
10	80	0.65	0.008

3RD REAPING			
ROW	LEAVES	WEIGHT KG'S	AVERAGE LEAF WEIGHT
1	78	0.75	0.009
2	75	0.95	0.013
3	84	0.85	0.01
4	79	0.85	0.011
5	84	0.65	0.008
6	87	0.85	0.01
7	75	0.8	0.011
8	75	0.8	0.011
9	84	0.75	0.009
10	81	0.65	0.008

4TH REAPING			
ROW	LEAVES	WEIGHT KG'S	AVERAGE LEAF WEIGHT
1	69	0.6	0.009
2	54	0.85	0.015
3	78	0.8	0.01
4	67	0.8	0.012
5	72	0.5	0.007
6	51	0.65	0.013
7	51	0.6	0.012
8	56	0.75	0.013
9	81	0.6	0.007
10	72	0.45	0.006

BELOW IS THE COMBINED TOTAL OF EACH ROW AND THE CHEMICAL BELIEVED TO HAVE HELPED EACH ROW.

COMBINED WEIGHT									
ROW	TOTAL LEAVES	TOTAL WEIGHT	AVERAGE LEAF	CHEMICALS USED					AFTER HAIL
1	287	2.65	0.009	CALSAP	ORIZON	BULLET		N'DECANOL	BION
2	276	3.35	0.012	CALSAP	ORIZON	BULLET	BION	N'DECANOL	BION
3	299	3.25	0.011	EZYFLOW LIME	ORIZON	BULLET	BION	FLUMETRALIN DUO	BION
4	284	3.25	0.011	EZYFLOW LIME	ORIZON	CYANTRANILIPROLE	BION	FLUMETRALIN DUO	BION
5	283	2.4	0.008		ORIZON	CYANTRANILIPROLE	MAGMECTIN	FLUMETRALIN DUO	BION
6	282	2.95	0.01	CALSAP		CYANTRANILIPROLE	MAGMECTIN	FLUMETRALIN DUO	BION
7	265	2.8	0.011	CALSAP		CYANTRANILIPROLE	MAGMECTIN	FLUMETRALIN DUO	BION
8	268	3	0.011	EZYFLOW LIME		CYANTRANILIPROLE	BELT	AZOXY DUO	BION
9	298	2.7	0.009	EZYFLOW LIME	BULLET	BELT	AZOXY DUO	N'DECANOL	BION
10	295	2.3	0.008		BULLET	BELT	AZOXY DUO	N'DECANOL	BION

SUMMARY

- ALL ROWS HAD ATLEAST ONE BION APPLICATION AFTER THE HAILSTORM HIT THE TRIAL AREA HOWEVER THE ROWS WHERE TWO BION APLICATIONS WERE APPLIED SHOW A BETTER RECORDED WEIGHT.
- ROWS WHERE CALSAP OR EZYFLOW LIME WAS APPLIED HAD A BETTER RECORDED WEIGHT OVER ROWS WHERE NO CALSAP OR EZYFLOW LIME HAD BEEN APPLIED. ROWS 5 & 10 RECORED THE WORST WEIGHTS AND THOSE ARE THE TWO ROWS WHERE NO CALSAP OR EZYFLOW LIME WAS APPLIED.
- THE TRIALED AREA HAD NO DISEASE BEFORE OR AFTER THE HAIL AND THE INSECT CONTROL WAS GOOD THROUGH OUT THE TRIAL AREA