



# Zimbabwe Leaf Tobacco Trials 2020/2021

**FARMER :- ISAAC NYAKUTEPA**

**GROWERS NUMBER :- V185629**

**AREA :- TRELAWNEY**


**DATE PLANTED :- 01/12/2020**

# 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	



BEFORE PLANTING  
THERE WAS SOME  
NICE RAINS ON THE  
27/11/2020



ISAAC AND HIS  
FATHER  
CUPPING ON  
BULLET AT  
135mls/ha

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AFTER PLANTING  
DUSTY SURFACE  
BEETLE WAS  
FOUND IN SOME OF  
THE OLD MAIZE  
STALKS.

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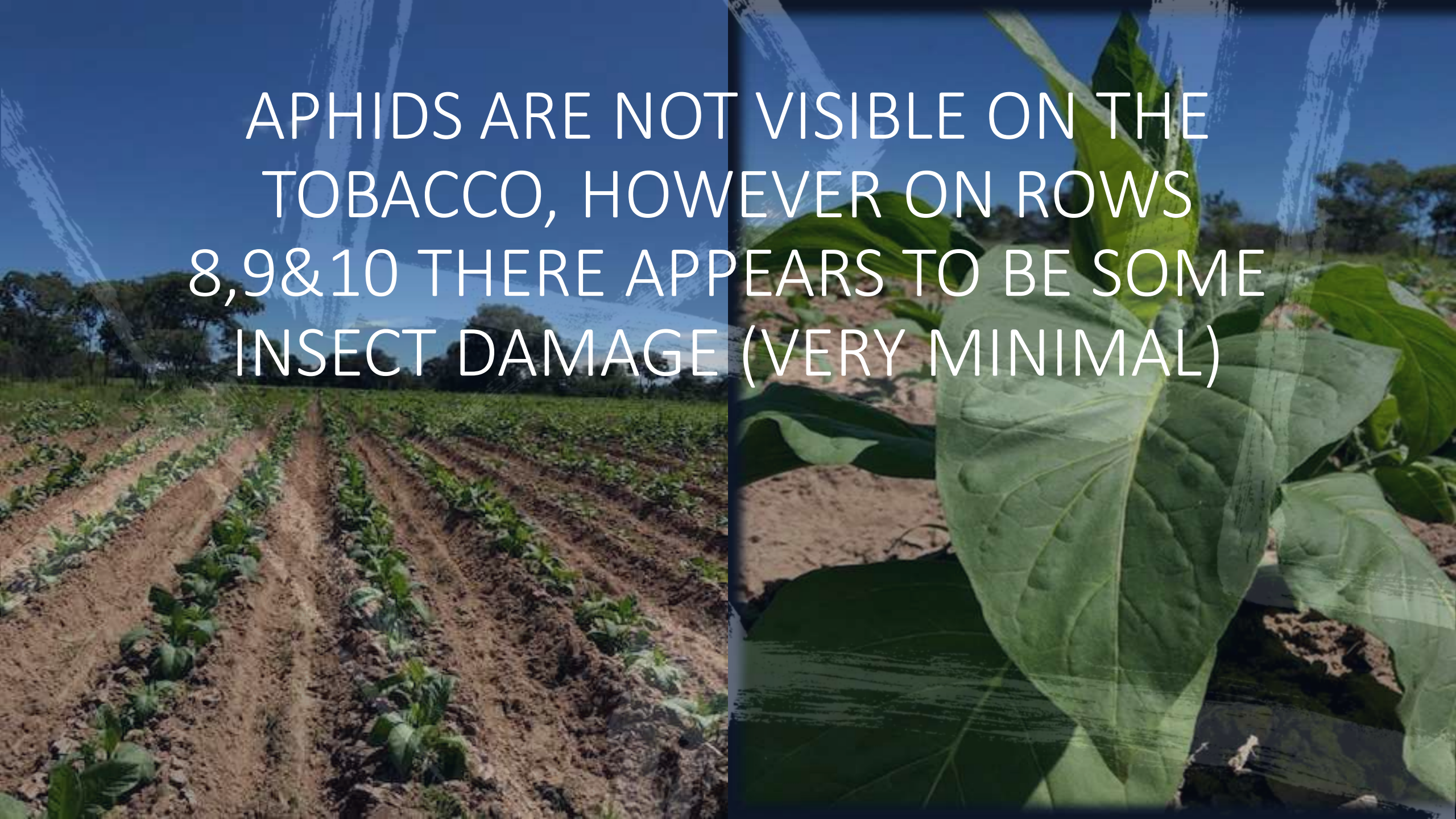
ALL SEEDLINGS HAD  
TAKEN AND NO VISIBLE  
DAMAGE FROM DUSTY  
SURFACE BEETLE OR ANY  
INSECTS WAS FOUND.



04/01/2021 NO APHIDS WERE FOUND IN ANY OF THE ROWS.



APHIDS ARE NOT VISIBLE ON THE  
TOBACCO, HOWEVER ON ROWS  
8,9&10 THERE APPEARS TO BE SOME  
INSECT DAMAGE (VERY MINIMAL)







A SINGLE PLANT FROM ROW 2.



26/01/2021 THE TOBACCO IS STILL  
LOOKING YELLOW AND WASHED OUT  
AFTER ALL THE RAIN. THE FARMER  
SAID THIS WAS THE FIRST  
AFTERNOON THEY HADNT HAD ANY  
RAIN



ON THE LEFT IS THE FARMERS TOBACCO AND ON THE RIGHT IS THE TOBACCO FROM THE TRIAL AREA. THE TRIAL AREAS TOBACCO IS NOT AS YELLOW AND HAS NO INSECTS WHEREAS THE OTHER TOBACCO HAS INSECT DAMAGE.



03/02/2021 THE TOBACCO HAS STARTED TO  
FILL OUT SLOWLY HOWEVER IT IS NOT  
UNIFORM AND IS STILL VERY YELLOW.

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THE TOBACCO  
TOWARDS THE ENDS  
OF THE ROWS  
APPEARS TO BE MUCH  
BIGGER THAN THE  
TOBACCO IN THE  
MIDDLE OF THE ROWS.



ALL THE SMALLER TOBACCO THROUGHOUT THE TRIAL AREA HAS  
APHIDS. THE LARGER TOBACCO PLANTS HAVE NO APHIDS.





24/2/2021 THE START OF REAPING IN THE TRIAL  
AREA. ALL THE TOBACCO IN THIS AREA IS LIGHT IN  
COLOUR



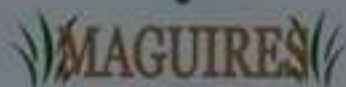
SOME OF THE TOBACCO IN THE BARN. THERE IS NO SIGN OF ANGULAR  
IN THE TRIAL AREAS TOBACCO





01/03/2021 ALL THE  
TOBACCO IS VERY LIGHT IN  
COLOUR, THE TRIAL AREA  
AND THE FARMERS TOBACCO

04/03/2021 REAPING IS STILL BEING DONE ON THE TRIAL AREA AND SO FAR, THERE HAS BEEN NO SIGN OF ANGULAR. WEIGHTS ARE BEING RECORDED



**SMALL SCALE TRIALS 2020/21**

**ROW 9**

500KGS/HA LIME BLEND S.25.20  
5 LTS/HA EZYFLOW LIME IN PLANTING HOLE  
135MLS/HA BULLET APPLIED OVER PLANT AFTER COVERING  
40MLS/HA BELT AS FULL COVER SPRAY  
500MLS/HA AZOXY DUO AS FULL COVER SPRAY (8 WEEKS)  
1LT N'DECANOL TO 50 LTS WATER APPLIED N WAY UP PLANT  
1LT N'DECANOL TO 33LTS WATER APPLIED OVER TOP OF PLANT  
500MLS/HA AZOXY DUO AS FULL COVER SPRAY (10 WEEKS)

FIRST REAPING			
ROW	WEIGHT	AVG LEAF WEIGHT	LEAVES
1	0.15	0.0049	32
2	0.2	0.0065	31
3	0.2	0.0067	30
4	0.2	0.0057	35
5	0.15	0.0048	31
6	0.2	0.0067	30
7	0.15	0.0047	32
8	0.2	0.0057	35
9	0.15	0.0048	31
10	0.15	0.0039	38

SECOND REAPING			
ROW	WEIGHT	AVG LEAF WEIGHT	LEAVES
1	0.15	0.006	25
2	0.2	0.0087	23
3	0.25	0.0096	26
4	0.25	0.0125	20
5	0.15	0.0071	21
6	0.2	0.0077	26
7	0.2	0.0071	28
8	0.2	0.0095	21
9	0.2	0.008	25
10	0.15	0.0063	24

THIRD REAPING			
ROW	WEIGHT	AVG LEAF WEIGHT	LEAVES
1	0.7	0.01	70
2	0.8	0.013	62
3	0.85	0.013	66
4	0.9	0.015	61
5	0.6	0.009	69
6	0.65	0.011	57
7	0.7	0.01	67
8	0.75	0.011	68
9	0.65	0.009	71
10	0.55	0.008	73

FOURTH REAPING			
ROW	WEIGHT	AVG LEAF WEIGHT	LEAVES
1	0.7	0.01	68
2	1	0.018	56
3	1.15	0.19	58
4	0.95	0.015	63
5	0.65	0.009	67
6	0.85	0.016	54
7	0.9	0.016	57
8	0.9	0.017	57
9	0.85	0.014	60
10	0.65	0.012	56

FIFTH REAPING			
ROW	WEIGHT	AVG LEAF WEIGHT	LEAVES
1	0.7	0.009	76
2	0.85	0.011	75
3	0.9	0.011	84
4	0.75	0.009	82
5	0.6	0.008	76
6	0.75	0.01	75
7	0.7	0.008	85
8	0.75	0.01	78
9	0.7	0.009	74
10	0.6	0.008	78

18/03/2021 ALL THE TOBACCO HAS BEEN WEIGHED AND RECORDED.

18/03/2021 LISTED BELOW IS THE FINAL WEIGHTS OF ALL THE TOBACCO IN EACH ROW COMBINED AND THE AVERAGE WEIGHT OF THE LEAVES FROM EACH ROW. THE CHEMICAL BELIEVED TO HAVE BENEFITED EACH ROW IS LISTED IN THE TABLE BELOW.

FINAL SUMMARY				CHEMICALS BELIEVED TO HAVE BENEFITED THE TOBACCO IN EACH ROW.			
ROW	TOTAL WEIGHT	LEAF WEIGHT	LEAVES				
1	2.4	0.009	271	CALSAP			N'DECANOL
2	3.05	0.012	247	CALSAP		BION	N'DECANOL
3	3.35	0.013	264	EZYFLOW LIME		BION	FLUMETRALIN DUO
4	3.05	0.012	261	EZYFLOW LIME	CYANTRANILIPROLE	BION	FLUMETRALIN DUO
5	2.15	0.008	264		CYANTRANILIPROLE		FLUMETRALIN DUO
6	2.65	0.011	242	CALSAP	CYANTRANILIPROLE		FLUMETRALIN DUO
7	2.65	0.01	269	CALSAP	CYANTRANILIPROLE		FLUMETRALIN DUO
8	2.8	0.011	259	EZYFLOW LIME	CYANTRANILIPROLE	BELT	AZOXY DUO
9	2.55	0.01	261	EZYFLOW LIME		AZOXY DUO	N'DECANOL
10	2.1	0.008	269			AZOXY DUO	N'DECANOL

# SUMMARY

- ROWS WHERE BION WAS APPLIED THE TOBACCO HAD BETTER WEIGHTS RECORDED.
- CALSAP AND EZYFLOW LIME HAD AN AFFECT ON THE WEIGHTS AS THE RESULTS SHOW THE WEIGHTS WERE DOWN WHERE NO CALSAP AND EZYFLOW LIME HAD BEEN APPLIED.
- ROWS WHERE FLUMETRALIN DUO HAD BEEN APPLIED THE SUCKER CONTROL WAS BETTER THAN ROWS WHERE N'DECANOL HAD BEEN APPLIED, WHICH RESULTED IN THE ROWS WITH FLUMETRALIN DUO RECORDING BETTER WEIGHTS.