



# MASHONALAND TOBACCO TRIALS

## 2021/2022

FARMER :- TOGAREPI KOPO KAMBARAMI

GROWERS NUMBER:- V275559

AREA :- CENTENARY

DATE PLANTED :- 14/10/2021



# Introduction

Each year Maguires does trials on small-scale farms as-well as commercial farms.

Our goal is to find the most reliable and cost-effective way to grow a tobacco crop.

We use several chemicals and fertilizers and constantly monitor the crop and at the end of the season we record the weight of the leaves from each row and each reaping and compare the results.

# Fertilizer & Chemicals being trailed

ROW	FERTILIZER	NEMATICIDE	FERT CONDITONERS	TOP DRESSING	INSECTICIDE	INSECTICID E	INSECTICIDE	FUNGICIDE	SUCKERIDE
1	HIGH C 400KGS/HA			A.N 120KGS/HA	IMIDACHLOPRID 1LT/HA	BULLET 250MLS/HA	BELT 50MLS/HA		N DECANOL 5LTS/HA
2	HIGH C 400KGS/HA		EZYFLOW LIME 5LTS/HA	A.N 120KGS/HA	IMIDACHLOPRID 1LT/HA	BULLET 250MLS/HA	BELT 50MLS/HA		N DECANOL 5LTS/HA
3	LIME BLEND 400KGS/HA			A.N 120KGS/HA	IMIDACHLOPRID 1LT/HA	BULLET 250MLS/HA	BELT 50MLS/HA		N DECANOL 5LTS/HA
4	LIME BLEND 400KGS/HA		EZYFLOW LIME 5LTS/HA	A.N 120KGS/HA	IMIDACHLOPRID 1LT/HA	BULLET 250MLS/HA	BELT 50MLS/HA		N DECANOL 5LTS/HA
5	HIGH C 400KGS/HA	ORIZON 3LT/HA		A.N 120KGS/HA		BULLET 250MLS/HA	BELT 50MLS/HA		N DECANOL 5LTS/HA
6	HIGH C 400KGS/HA	ORIZON X2 3LT/HA		A.N 120KGS/HA		BULLET 250MLS/HA	BELT 50MLS/HA		N DECANOL 5LTS/HA
7	HIGH C 400KGS/HA			A.N 120KGS/HA	IMIDACHLOPRID 1LT/HA	BULLET 250MLS/HA	BELT 50MLS/HA	BION 60G/HA	N DECANOL 5LTS/HA
8	HIGH C 400KGS/HA			A.N 120KGS/HA	IMIDACHLOPRID 1LT/HA	BULLET 250MLS/HA	BELT 50MLS/HA	BION X2 60G/HA	N DECANOL 5LTS/HA
9	HIGH C 400KGS/HA			A.N 120KGS/HA	IMIDACHLOPRID 1LT/HA	BULLET 250MLS/HA	BELT 50MLS/HA	AZOXY DUO X2 500MLS/HA	N DECANOL 5LTS/HA
10	HIGH C 400KGS/HA			A.N 120KGS/HA	IMIDACHLOPRID 1LT/HA	BULLET 250MLS/HA	BELT 50MLS/HA	AZOXY DUO X3 500MLS/HA	N DECANOL 5LTS/HA
11	HIGH C 400KGS/HA			A.N 120KGS/HA	IMIDACHLOPRID 1LT/HA	BULLET 250MLS/HA	BELT 50MLS/HA		FLUMETRALIN DUO 2LTS/HA
12	HIGH C 400KGS/HA			A.N 120KGS/HA	IMIDACHLOPRID 1LT/HA	BULLET 250MLS/HA	BELT 50MLS/HA		FLUMETRALIN DUO 3LTS/HA
13	HIGH C 400KGS/HA	VS-04 5LTS/HA		A.N 120KGS/HA	IMIDACHLOPRID 1LT/HA	BULLET 250MLS/HA	BELT 50MLS/HA		N DECANOL 5LTS/HA



**14/10/2021  
AT PLANTING:**

There is a lot of old  
stalk left in the land.

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**18/10/2021**

All the tobacco planted in the trial area took and is looking healthy.

# Dusty Surface Beetle

A problem we have found throughout all the small-scale trials is the dusty surface beetle.

This is largely because the small-scale farmers do not dispose of their old stalks and the beetles are often found in the stalks.

We have noticed a few plants have been affected by the dust surface beetle however majority of the plant +/-99% are all free from any signs of dusty surface beetle.



**3/11/21**

The farmer has recently put AN down for all the tobacco.





There is no more dusty  
surface beetle damage.  
All the plants are looking  
healthy and strong.

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The trial area has received 4mm of rain this season, so the soil is still very dry, and the tobacco has not shot up yet.

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**15/11/2021**

The tobacco is completely free from any dusty surface and all insects.

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The land is still very dry and not much rain has happened in that area

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**1/12/2021**

The trial area received a small amount of rainfall over the past week.



The trial area is marked out with signs indicating what chemicals are being used in each row

The chemical in red is the chemical being trialed



A few leaves have been eaten by an insect, but the leaves affected are minimal.

**7/12/2021**  
The tobacco is looking healthy and there is no insects on the crop other than 1 plant.

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**There is one plant that has a few aphids.**