

8<sup>th</sup> February 2017

Mr John Citizen  
Hamilton Farms  
1050 Any Road  
Hamilton VIC 3300

Dear John,

## DRENCH RESISTANCE REPORT

Please find below the results from your recent drench resistance trial, conducted in January 2017. Our minimum recommended drench efficacy levels ideally is 98% and above.

DRENCH TYPE	2017	Comments
<b>CONTROL</b>	<b>1341 epg</b>	<i>Very high, gives us good confidence in these results</i>
<b>IVO</b>	<b>94%</b>	<i>Resistance</i>
<b>BZ</b>	<b>88%</b>	<i>Strong Resistance</i>
<b>LEV</b>	<b>94%</b>	<i>Resistance</i>
<b>MOX</b>	<b>99%</b>	<i>Highly Effective</i>
<b>ABA</b>	<b>99%</b>	<i>Highly Effective</i>
<b>Estimated BZ/Lev</b>	<b>99%</b>	<i>Good result</i>
<b>Estimated Aba/BZ/Lev</b>	<b>100%</b>	<i>Good result</i>

BZ = Bendimidazole, Lev = Levamisole, IVO=Ivomec, ABA=Abamectin. MOX=Moxidectin (Cydectin), BZ/Lev mixed e.g. Nucombo Duocare Scanda

## LARVAL CULTURE RESULTS

Worm Species	2017				
	Control	Ivo	Lev	Bz	Mox
<i>Ostertagia</i> spp. (Small Brown Stomach worm)	<b>19%</b>	<b>40%</b>	<b>37%</b>	<b>37%</b>	<b>8%</b>
<i>Trichostrongylus</i> spp. (Black Scour worm)	<b>45%</b>	<b>60%</b>	<b>63%</b>	<b>63%</b>	<b>92%</b>
<i>Haemonchus</i> spp. (Barbers Pole)	<b>12%</b>	-	-	-	-
Other ( <i>Chabertia/Oesophagostomum</i> )	<b>24%</b>	-	-	-	-