

APPLICATION REPORT



August 2018

Diamond Mowers Forestry Mulcher Demonstration
- Cricket Ground Track- Blakeville, Vic

This application report is a summary of the demonstration held at Cricket Ground Track in Blakeville. It focuses on the advantages of the Diamond Mowers Forestry Mulcher for this type of works.

Application Report**DIAMOND MOWERS FORESTRY MULCHER DEMONSTRATION
- CRICKET GROUND TRACK- BLAKEVILLE, VIC**

INTRODUCTION

The Diamond Mowers Forestry Mulcher is a Skid Steer or Compact Track Loader (CTL) mounted disc mulcher (figure 4). This unit is renowned as the most robust and reliable mulcher on the market. The deck shell is fully fabricated from 100,000PSI steel, manufactured in South Dakota, USA and distributed in Australian and New Zealand solely by Colbrook Industries.

The Mulcher is powered by the Skid Steer/CTL's hydraulic system. The disc acts like a flywheel storing inertia to build and maintain speed and power. Storing energy in this way reduces the load on the machine lowering fuel consumption and wear and tear.

The unique disc and tooth design allow this machine to effectively and efficiently work through shrubs and trees up to 6" (150mm) leaving a coarse 2" (50mm) mulch. It will vertically mulch and cut trees up to 14" (356mm) with the ability to grind stumps up to 3" (75mm) below ground level.

APPLICATION

The council engaged Terry Hodge (an existing Contractor) and Colbrook Industries (Diamond Mowers Australia/New Zealand distributor) to clean up a 250m section of Cricket Ground track (in accordance with the Moorabool Shire Roadside Management Plan) to see the advantages of using the Diamond Mowers Forestry Mulcher over their current methods.

Cricket Ground Track was overgrown with a thicket of native trees, shrubs, grasses and fallen limbs around some well-established Eucalypts. There was also an amount of introduced invasive species such as blackberry.

AIM

To remove un-wanted vegetation, reducing the fire fuel load and clearing access.

To be selective in the removal of the vegetation, not impacting the well-established Eucalypts, with very little ground disturbance.

To leave a tidy, coarse mulch finish, allowing for natural decomposition and delaying regeneration.

METHOD

The machine worked from one end through to the other, taking down the smaller trees one at a time at ground level and processing them into mulch in an efficient manner. The larger trees (greater than 6" (150mm)) were topped up high and then vertically mulched down to ground level. The tops were then processed through the chute.

Once the bulk of the trees were removed the smaller shrubs and blackberry were processed.

To achieve a tidy finish the machine worked swiftly over the newly cleared ground and reprocessed any remaining branches and debris.

RESULT

As you will see in figure 1 and 2 the aim of clearing the roadside was achieved.

The result was a tidy coarse mulch finish (figure 3), with little ground disturbance and the native grasses still intact.

The speed and efficiency of the machine combination made light work of this job and under normal circumstances would have taken approximately 20 minutes for a coarse finish and approximately 40 minutes for a reprocessed fine finish.

CONCLUSION

In conclusion the Diamond Mowers Forestry Mulcher effectively and efficiently cleared the roadside. Removing the unwanted vegetation, reducing the fire fuel load and cleared the access. It was selective in the removal of the materials, having no impact on the well-established older Eucalypts and very little ground disturbance as evident by the remaining grasses.

The machine left a tidy, coarse mulch finish, which will allow for natural decomposition, reduced erosion risk and delaying the regeneration of the tree and weed species.

It is an ideal solution for these types of applications.



Figure 1. – Before works commenced



Figure 2. - After works completed



Figure 3. Course Mulch finish



Figure 4. Diamond Mowers Forestry Mulcher on a CTL

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We pride ourselves on our premium product range, personable customer service and efficient service support. Our best-in-class product range includes forestry mulchers, rotary mowers and work platform attachments.

If you would like to know more about a Diamond Mowers product, find a Diamond Mowers contractor in your area or purchase a machine, please contact us.

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