Demonstration Outline

The aim of this demonstration is to present to you, the potential customers the capabilities of La Trobe University’s software engineering team. This team named Capricorn Incorporated, has researched and developed a dedicated dairy farm management system, Capri Dairy which is highly capable of undertaking and recording your farming needs. Capri Dairy has been in developed with the assistance from the staff from the Rural Industries Research and Development Corporation (RIRDC), and their knowledge has been utilized throughout the program.

This demonstration is aimed at being short as there are many the features available on Capri Dairy and set functionality has been chosen for this presentation. Another important note is that the resolution used in recording this demonstration has been altered from the actual system. This has been done to reflect the fact that most computers available on farms are very different from the computers used to build this program. To generate a video capture of Capri Dairy, capturing software has been utilized and this has compounded the delay between screens which would not be evident in normal use.

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- **Not shown in this demonstration is the self installer which installs necessary** files and places appropriate icons in the start menu and on the desktop.

- **On start up, the security of user login is available as a preference but for demonstration purposes, this feature has been left out.**

- **General introduction into farm explorer view**, used to observe various sections that have been recorded rapidly. Clicking on one of these records reveals an interface showing all relevant data from that record.

- **Scrolling through menus displays the true potential of Capri Dairy as a dedicated farm management system**
• The management of animals involves a general summary, search facility and insert function. Summary retrieves general data from the database with regard to animal and is the first animal screen available to the user. A sample animal is inserted into the database, then searched for using the search facility and then refined. Once the animal is isolated, animal weight details are inserted. This allows farmers to quickly insert weighing details of animals and multiple weighing records for the one animal.

• A doe is then searched for using the icons available on the main user interface. A pedigree of that animal is given, displaying its parents, kids and dates of appropriate events.

• A herd test can be included to record and store various milking data for a particular animal for further analysis.

• Herd income and production details are included to represent information with regard to the farm activity in this area. As daily milk and total milk are dependent on each other and increase accordingly. As soon as income is increased for a specified milk delivery, milk delivery is set to zero litres and the corresponding income generated can be recorded.

• Veterinary conditions are an important part of dairying farms and this has been accommodated with symptoms, treatments and appropriate veterinary identifications. For a specified animal, a symptom and treatment can be recorded with notice and clear date for further reference and analysis.

• Reporting provides farmers with a more dynamic analysis tool. The three provided for this presentation are of nature line or bar graph. For demonstration purposes, milking and milking content over time have been generated using bar graphs. The line graph has been used to display weighing details of a particular animal over a period of time. Accompanying this line is another, displaying the average weight of an animal in that particular herd.

• Exit