

New Century™ Integra-Mix™

True multi-level optimisation module

Today's advanced Petfood recipes may contain many sub-components or kibbles, each of which carry their own specification in terms of "Claims" and other characteristics. The attributes of the complete product are also defined in terms of nutrition, moisture, ingredients and many other parameters. The challenge is to specify, and to optimise, the whole product simultaneously with all its sub-components.

Integra-Mix™ does just that. It is a multi-component optimisation package which formulates multiple sub-components both within products and when they are shared across products.

Integra-Mix™ facilitates the design and construction of the Master product and its hierarchy of sub-components. It provides easy-to-use tools which display the component levels and allows the Recipe Designer to fine-tune constraints and attributes at any level of the product.

Purpose

Integra-Mix™ –

- Optimises products containing other recipes as sub-components.
- Optimises the sub-component recipe based on its inclusion in the final product.
- Optimises the sub-component recipe where it is included in more than one final product.
- Provides recipe management utilities for multi-level products.

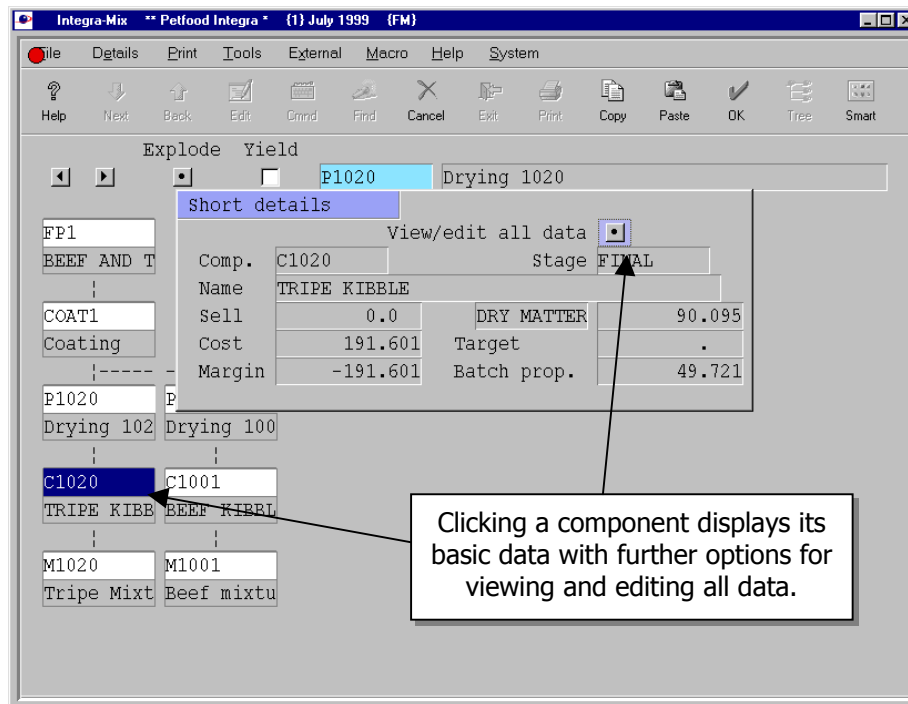
Benefits

- Streamlines the recipe development and re-optimisation process.
- Minimizes overall costs of recipes with shared sub-components.
- Balances sub-component variations against manufacturing requirements.
- Manages the recipes through the manufacturing process with moisture yielding.

product information sheet

Features

- Master products can contain sub-components, free ingredients, fixed sub-formulas – all with varying inclusion levels.
- The Master level defines Nutrient composition and overall ingredient restrictions and provides overall Moisture control.
- Sub-components have nutrient and ingredient restrictions.
- A full range of facilities are provided for the maintenance and reporting of data.
- **The Multi-component hierarchy** allows the user to view and manage multi-level products where sub-components and manufacturing processes are arranged in a visual way. A number of convenient interrogations are also available to examine the contents of each separate component and their cost etc. The illustration below gives a typical example –



Multi-component hierarchy recipe management utility