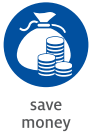




SAVE UP TO 15% ON RECIPE COSTS



Smart Saving Solutions for Beverages

Cut your recipe costs, improve yield and maintain great taste and texture in your beverage products with our Smart Saving Solutions.

We can help you replace ingredients such as sugar, fat, protein, pulp or pectin without compromising deliciousness.

MANGO FRUIT DRINK



Discover how Ingredion helped a fruit drink manufacturer **save 15% on recipe costs** alone while maintaining indulgence and authenticity.

JUICE AND DAIRY DRINK



See how Ingredion helped a dairy drink manufacturer **save 7% on recipe costs** without losing indulgence.

FERMENTED DAIRY DRINK



Find out how Ingredion helped a dairy beverage manufacturer **save 14% on recipe costs**, whilst making it less exposed to milk price fluctuations.

YOUR CHALLENGES:



Contact us at :

Ingredion Germany GmbH +49 (0) 40 23 91 50
Ingredion UK Ltd +44 (0) 161 435 3200
ingredion.com/emea



Ingredion™

Here's how we worked with drinks manufacturers to reduce costs

Pulp Replacement: Mango fruit drink

SMART SAVINGS SOLUTIONS: Cut recipe costs by 15% by replacing the pulp, without losing texture

INGREDIENTS USED: PURITY™ MAC starch, INSTANT TEXTAID™ A starch

| INGREDIENTS | CONTROL (%) | SMART SAVINGS SOLUTION (%) |
|---------------------------|---------------|----------------------------|
| Water | 61.95 | 70.29 |
| "Alphonso" mango puree | 30.00 | 20.00 |
| Citric acid | 0.10 | 0.13 |
| Vitamin C | 0.03 | 0.03 |
| Sugar | 7.92 | 8.54 |
| INSTANT TEXTAID™ A starch | 0.00 | 0.7 |
| PURITY™ MAC starch | 0.00 | 0.30 |
| Mango flavour | 0.00 | 0.01 |
| TOTAL | 100.00 | 100.00 |

TOTAL SMART SAVINGS

- Volume produced per year 10,000,000 litres
- Cost Savings per kg **€0.03 Est**
- Total possible cost savings per year **€300,000**

Save
15%

Pectin Replacement: Juice and dairy drink

SMART SAVINGS SOLUTIONS: Save 7% by replacing pectin

INGREDIENTS USED: N-CREAMER® 110 starch

| INGREDIENTS | CONTROL (%) | SMART SAVINGS SOLUTION (%) |
|-----------------------|---------------|----------------------------|
| Water | 41.60 | 41.60 |
| Semi skimmed milk | 20.00 | 20.00 |
| Cherry Juice | 30.00 | 30.00 |
| Sugar | 8.00 | 8.00 |
| HM Pectin | 0.40 | - |
| N-CREAMER® 110 starch | - | 0.40 |
| TOTAL | 100.00 | 100.00 |

TOTAL SMART SAVINGS

- Volume produced per year 50,000 tonnes
- Cost Savings per kg **€0.02 Est**
- Total possible cost savings per year **€1,000,000**

Save
7%

Reduce protein and fat: Fermented dairy drink

SMART SAVINGS SOLUTIONS: Cut recipe costs by 14% by reducing the dairy protein and fat level by 20%

INGREDIENTS USED: N-CREAMER® 221 starch, N-DULGE® C1 starch, N-CREAMER® 110 starch

| INGREDIENTS | CONTROL (%) | SMART SAVINGS SOLUTION (%) |
|-----------------------------|---------------|----------------------------|
| Fresh skimmed milk 0.1% fat | 85.40 | 65.35 |
| Water | - | 20.00 |
| Sugar | 8.00 | 8.00 |
| Cream 40% fat | 6.20 | 5.00 |
| N-CREAMER® 221 starch | - | 0.75 |
| N-DULGE® C1 starch | - | 0.50 |
| N-CREAMER® 110 starch | 0.40 | 0.40 |
| TOTAL | 100.00 | 100.00 |
| % Protein | 2.90 | 2.30 |
| % Fat | 2.50 | 2.00 |

TOTAL SMART SAVINGS

- Volume produced per year 50,000 tonnes
- Cost Savings per kg **€0.06 Est**
- Total possible cost savings per year **€3,00,000**

Save
14%

Did you know?

That we could also improve yield from 10-70% with our Smart Saving Solutions? Contact us for more information.