The Herd

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with the following product attributes or characteristics: To develop a dairy dessert or snack food maximising the use of A2 protein skim milk

- -low fat -low calorie,
- -no added sugar
- high protein
- To satisfy the target market the product must;
- -meet the needs of health conscious people who are interested in the foods fit into a
- "better for you" category by complying with the product characteristics above,
- -meet the needs of those requiring a restricted diet eg diabetics.
- -meet the needs of the ageing population with an easy to digest source of protein
- -be delicious and an allowable treat food,
- -be a single serve to aid in portion control requirements to help meet the above requirement.
- There is the following support from Appleby Farms;
- -raw material supply of A2 protein liquid skim milk and other required raw materials
- use of Appleby Farms product development facilities
- -use of Appleby Farms manufacturing facility





available for factory visits and meetings

Finding time when every member of the team was

Melt rate made consumer preference testing

Determining the best way to approach challenges

the capabilities of the factory

idea of a milk drink to a frozen dessert to work within The team changed their product from the original

CHALLENGES AND LEARNINGS

ACKNOWLEDGEMENTS

helping us complete the 2018 CREST/NZIFST student product challenge. The team would like to thank everyone that contributed towards







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CONSUMER PREFERENCE TESTING

our product was in terms of taste, texture and appeal. The team developed a survey in order to discover the consumers preference concerning

Would you buy this product?

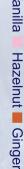
Preference







Vanilla



CONCLUSION

produced a post exercise snack for athletes,. help aid with exercise recovery. This indicates that the team has successfully The results obtained show that 81% of people would purchase this product to

PROJECT SUMMARY

a balance between the sugar levels and the flavour of the product, making sure that it tasted ingredients that were high in sugar to flavour the final formulation. well as protein enhancing collagens like Peptan. The team found that it was important to achieve product to fill this gap in the market the team will be making an option for people wanting to nice and could still be considered low sugar. This is whythe team aimed to avoid using the team learned about alternatives for sugar such as Apple Juice Concentrate and Xylitol as the market in terms of the products available for healthy ice cream alternatives. By creating a 10% sugar. The team came up with this idea as a result of market research. There is a gap in The team produced a high protein frozen dessert similar to ice cream, that also has less than nave a healthy alternative for post exercise recovery. As the final product was being formulated

people tasted our product it had melted

Sticking to the brief in order to meet target market

to store our product in, meaning by the time the final difficult as we didn't come prepared with a cooler







a formal report, which will be useful to all team members in the future. market. The final product meets all aspects of the Final Brief including the well as the design process. They have also learned skills around how to write ingredients that need to be included. The team has also learnt and gained The team has successfully created a product that is appealing to their target valuable skills in terms of both product development processes as

MUD RESULT