



# Cows Grazing Dairy with center pivot



The top leading cattle feed technology world over



Rainfine products

This is a cattle feed farm in Tasmania  
Australia, a grazing land 211 ha with 20 spans  
(820m) pivot irrigation system.



■ Google position  
altitude  
-42° 42'34.90"  
longitude  
146° 52'34.64"

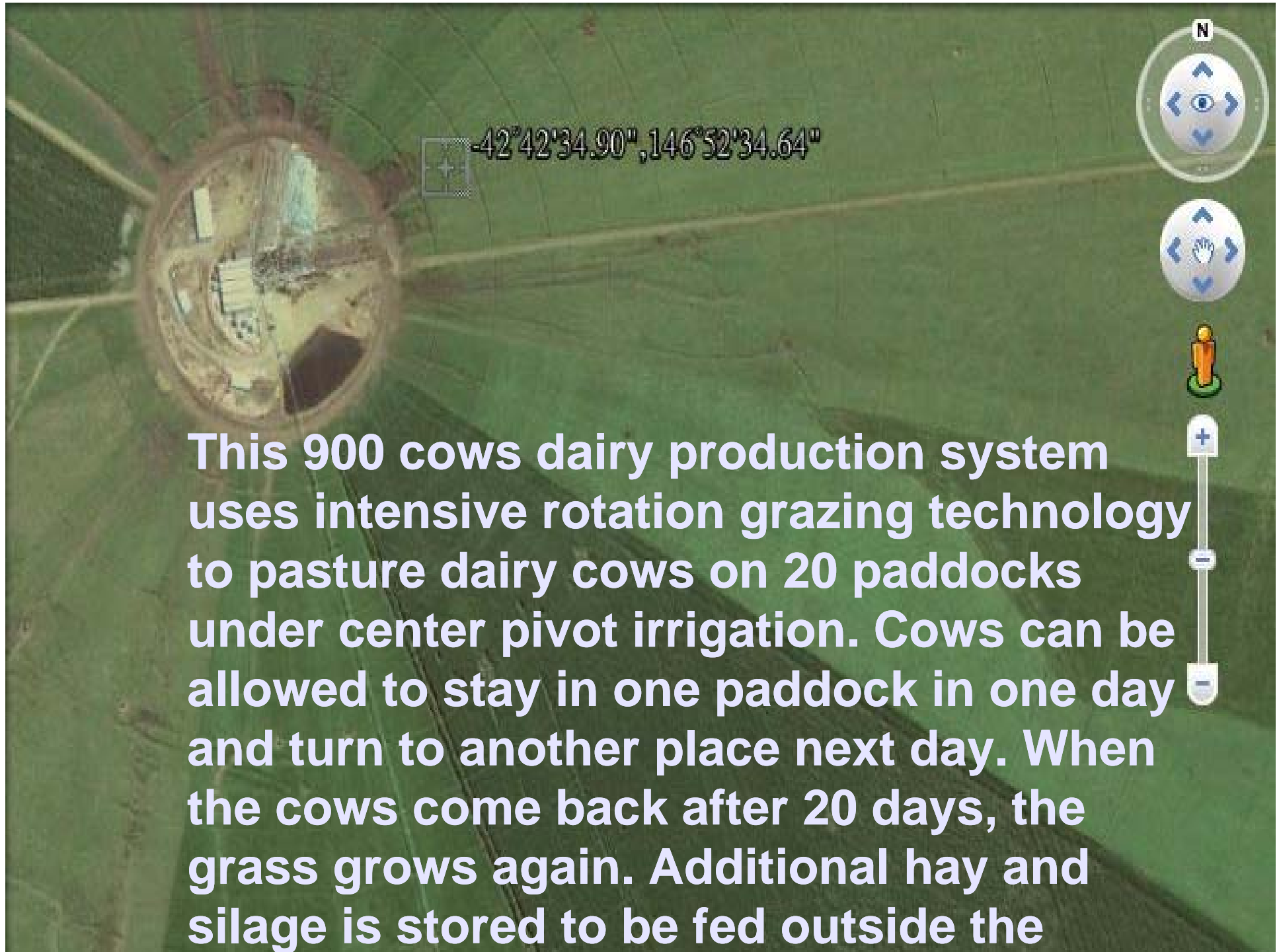
In the center part of the pivot, there is a dairy production house which produce 20,000 liter milk everyday.



# 900-1,100 cows can be fed in this huge circle

- 1 hectare can feed 5 cows
- In Inner Mongolia China, 5 hectare natural grassland can feed 1 cow.





**This 900 cows dairy production system uses intensive rotation grazing technology to pasture dairy cows on 20 paddocks under center pivot irrigation. Cows can be allowed to stay in one paddock in one day and turn to another place next day. When the cows come back after 20 days, the grass grows again. Additional hay and silage is stored to be fed outside the**

Let's come down from Google Earth and land the farm by ourselves.



**Pivot point is hold higher than 5m  
to go over the milking house.**



**The first two spans are higher than houses.**



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**After go over the houses, it extend 20 spans with the total length of 820 meters**



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We are enough lucky to take a picture of Rainbow under our machine Rainfine (our brand name). There is a story about rainbow: in the end of the rainbow, there is an Alibaba cave. You can find gold, silver and jewelry in it. Rainfine may help you to find the treasures .



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Irrigation Solution

**The paddocks is made by electric fence with  
100,000 volt electric power**



**As the electric current(Amp) is very low, it can not hurt cows. But the cows are clever enough to remember the electric shocks and keep away from the fences**



# All cows will stay in their right place and never touch the electric fences



By watering the grass with center pivot machine, the food is so nice and the cows are very happy.



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**How do you think of the quality of the forage grass here?**



**Different forage grasses are seeded together to give all kinds of nutrition to animals. It is the “buffet dinner” for cows**









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Rainfine pivot with buffet dinner,  
I want to be a happy cow here.



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**Forage grass grows very well in the pivot circle , but it can not grow outside**



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**This is a water tank for cow drinking.**



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**This clever cow drinks water from sprinkler. She may take a shower under the sprinklers as well.**



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# Tires can go pass from here





**The long haft on tires can pin down the fence and tires and go pass.**





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# It's the time of milking

- All cows are coming back to the milking house.



**This is “cow massage ” machine. When the cow touch the roller, the roller rotates on the surface of the cow body and do massage for cow. Have you ever seen happy cows like this: buffet, shower and massage?**



900 cows are standing in line waiting for milking





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# This is milking equipment





**900 cows milking work can be finished only by one person, which is unbelievable.**



**All milk can be sucked by vacuum pump directly into the stainless steel cooling tank without expose to the air. The milk are very clean and fresh.**



# These are the stainless steel cooling tanks





The owner of the farm, father and son(right)came from UK ten year ago, bought the land , cows and the pivot, became the “king” of his “kingdom”.



# Another unbelievable technology: Natural Fertilizer System

- Before cows come into the milking house, they will empty the bowels here.
- This is the toilet of cows,





- All the shit and urine will be water flushed to the ditch beside.

**After sometime it become good fertilizer and be pumped to the hopper above.**





**A screw squeezing system can separate the liquid and dry manure. The liquid part is pumped out through the PVC pipe and the solid parts are stored in the left side.**



The liquid is transferred to the pond. It will be pumped back to the grassland through pivot machine later . This fertilizer is nature and green without any chemicals .



**The dry parts can become the organic fertilizer and spray it to the grassland by tractors.**



**This fertilizer system is easier , efficiency , no pollution , no chemicals, zero disposal...a good cycling.**



# This is a project in New Zealand.



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Google earth

影像拍摄日期：2010/4/7 2004 43°36'34.56" 南 171°53'28.49" 东 海拔 225 米 视角海拔高度 702 米

**This is another project in Australia**









dairy farm New Zealand

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Google earth

影像拍摄日期：2010/4/7 2004 43°37'55.89" 南 171°54'35.56" 东 海拔 203 米 视角海拔高度 5.30 公里

This is human spectacles created by  
pivot irrigation system

dairy farm New Zealand

dairy farm

Image © 2011 GeoEye  
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Google earth

影像拍摄日期: 2011/2/15 2004 43°36'45.29" 南 171°57'30.42" 东 海拔 185 米 视角海拔高度 10.43 公里



# About Rainfine

- We are a group company for irrigation solution in China
- We have a manufacturing factory for center pivot irrigation machines
- We are partner of Australia dairy design company.
- We are professional for irrigation system design:
  - pump station
  - pipeline network
  - irrigation system
  - grazing dairy farm with center pivot

**For more information about these  
projects, please contact:**

**Mr. Wang Zhi  
G. Manager  
Rainfine Irrigation Company**

The logo for Rainfine Irrigation Solution is located in the bottom right corner. It features the word "RAINFINE" in a bold, blue, sans-serif font with a stylized blue arch above it. Below "RAINFINE" is the phrase "Irrigation Solution" in a smaller, blue, sans-serif font. A small "TM" trademark symbol is positioned to the right of "RAINFINE". The entire logo is set against an orange rectangular background.

**RAINFINE**<sup>TM</sup>  
Irrigation Solution

**Thank you**

