



FARMING IN THE DESERT

Farming Division





Farming Division

6 1 2009



Farming Division



9 11 2008



FARMING DIVISION



Farming Division

This project will be repeated in 12 regions and will be owned by the members of that region.

Total Herd - 105,000 animals



Farming Division

-  7 Dairy Farms
-  7 Arable Farms
- 1 Depot for Cull Cow Sales
- 1 Manufacturing Centre





Farming Division



ARABLE



Farming Division



22,500 Hectares under centre pivot
irrigation




Farming Division



INTENSIVE FARMING ON AN
EXTENSIVE SCALE



Farming Division

- 
- ENGINE OUTPUT = Upto 700 Horsepower
 - 2009 Water Consumption = 410,000,000 Cubic meters
 - Diesel Consumption = 1Billion Litres



Farming Division



Deep well impellor pumps set at upto 200 metres
Pump output upto 6,000 litres per minute



Farming Division

3 Year Rotation: Two years in Alfalfa followed by one year in Maize





Farming Division





Farming Division



11,000 tonnes DAP per year

JAN 11 2009



Farming Division



Alfalfa Seed - 20kg/ha



Farming Division





Integrated Crop Management

Farming Division





Farming Division



Team of Agronomists monitor crops on a daily basis



2009 Budget

Farming Division



- Alfalfa Production :400,000 tonnes
- Maize Silage :300,000 tonnes
- Rhodes Grass :30,000 tonnes

11 12 2008



Farming Division





Farming Division



- 10 cuts per year
- Budget yield - 22.5 t/ha
- 21 day cutting interval at peak growth
- 800ha cut per day, May to September
- 40,000km of baler twine



Farming Division



DEC 14 2005



Farming Division



45 Claas Rota Cut Quadrant Balers
4,000 bales per night or 100 truck loads



Farming Division



20,000 trucks per year
6 minutes loading time

JAN 5 2009



Farming Division





Farming Division

2 Cuts taken each year
110 tonnes per ha @ 32% DM

OCT 23 2003



Farming Division





Farming Division



900km later!



Farming Division



Each clamp holds 2,200 tonnes



Al Danah Dairy Farm

Farming Division

Total cows - 15,800

Youngstock - 18,000

R.H.A. - 12,500

Butterfat - 3.3%

19 12 2008



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940,000 litres per day

35 tankers per day - 1 tanker every 40
minutes

19 12 2008



Farming Division



19 12 2008



1,000 tonnes of Hay per day!
50 Truck loads!

Farming Division



19 12 2008



Farming Division





Farming Division



Rations electronically controlled and monitored from the farm office

19 12 2008



Farming Division



19-12-2008



Farming Division

Maximum temperature 30°C



Farming Division



300 cows per house
50 m² per cow

19 12 2008



Farming Division

Cows washed twice for 6 minutes

15 12 2008



Farming Division





Farming Division

Cows dried for 15 minutes



Farming Division





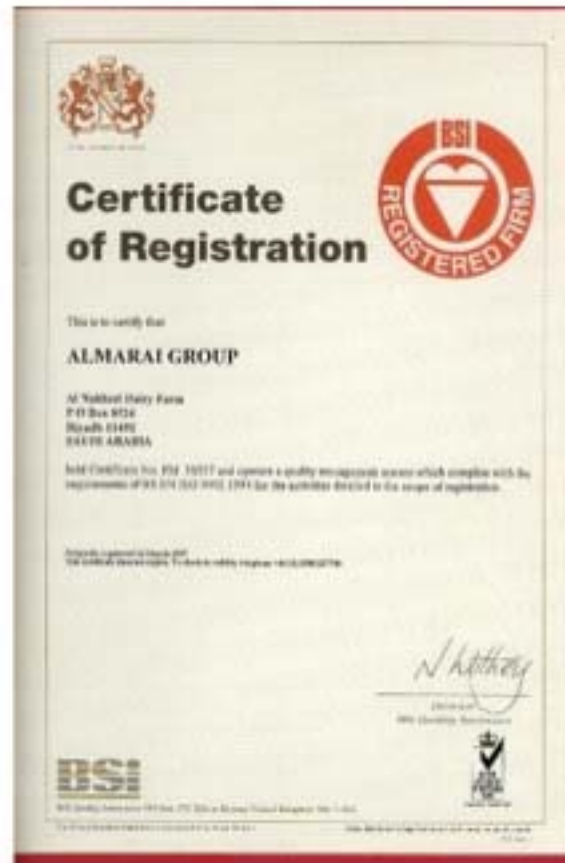
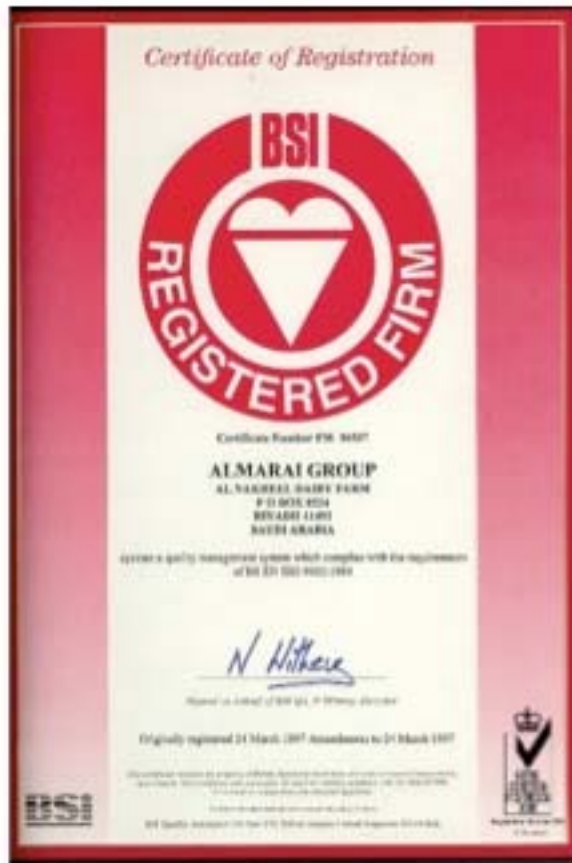
Farming Division

Average mastitis less than 0.5%
SCC 160,000
TBC less than 1000



Farming Division

BSI-ISO 9000 Accredited Farms



Registered Farms & Site

Al Nakheel Farm

Al Hamra Farm

Al Fanar Farm

Al Rabiah Farm

Al Badiyah Farm

Al Kabir Farm

Al Naklah Site



Farming Division





Farming Division





Parts backup over 1.5 million GBP

Farming Division





Farming Division

Central Processing Plant

Almarai 2008 profit - 125 Million GBP

19 12 2008



Farming Division





Farming Division



7 1 2009



Farming Division



2 1 2009



Farming Division



2 1 2009



Farming Division



6 1 2009



Farming Division



7 1 2009



Farming Division



7 1 2009



Farming Division

