

## EM Milk has a good reputation among the customers for its taste and high quality.



### ■ Basic Data

Established in 1991

EM used since 1995 (14 years)

President Mr. Hiroshi Tamaki

Employees: 40 (as of 2008)

Type of business: Production of milk and dairy product

### ■ Characteristics

The only farmer who owns the farm and production site. They have a Free Stall system (cows can walk around freely inside the cow house), and milking is done twice a day at 5:00 and 16:00. They have 180 cows, but 140 of the 180 can be used. In addition, they have 5 outside contracted farms and the EM brand milk is produced at approximately 7 tons daily from 500 cows in total.

### ■ Use of EM

Drinking water : EM-A is applied at 5,000 to 10,000 times dilution rate into the drinking water treated with EM-X Ceramics.

Feed : EM Bokashi made from EM, rice bran, molasses and oligosaccharide, is used after 40 days of fermentation. 300g per cow per day.

Watering in the cow-house : Sprinkling of water EM-A at 5,000 – 10,000 times dilution rate is done when the temperature is high or when odd odors occur.

### ■ Compost Treatment

During milking, the cows are moved to the milking house, manure is collected by bulldozer and transferred to a compost collection site. After 5% chicken manure is added, the manure is dried in a glass house, packed and sold at home centers. Also, the EM treated manure compost is sold to other farmers, and the manure quality is so high that they often run out of stock.



EM-A is sprayed to ferment manure    Drying in the glass house    15kg pack of EM compost

### ■ Milking

The free Stall system can make it easy to clean the house. As a result, management cost including labor cost can be cut down. After cleaning, sawdust is applied on the floor to avoid slipping. Blue IC chips set around the cow's neck, are used for cow control management, including milking and health measurements.



EM Bokashi



The Free Stall system

After cleaning the floor, sawdust is applied

### ■ Result

Okinawa prefecture, located in the southern part of Japan and in a sub-tropical climate zone, is not suitable for the dairy business. However, thanks to EM, production rate is higher than for conventional farmers. There is no complaint of odor from neighborhoods which are increasing rapidly in population. It takes one year to confirm the effects of EM after the use of EM begins. The remarkable effects are as follows: decrease in odd odors, decrease in Mastitis (no cow had Mastitis during this interview), and increases in the fertilization ratio and production. Meanwhile, flies decreased to 1/4.



16 cows (8 cows on each side) can be milked with this system

Milking tank

Milking data