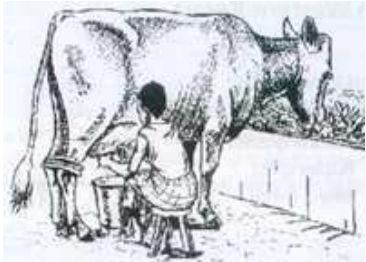


How To Get More Milk In The Dry Season

Do you have a problem getting enough good quality feed for your cow?

Poor feeding leads to poor health and low milk production, which means that you get less money from the sale of produce from your cow.

Four diets for more milk have been tested by scientists and farmers in the highlands of western Kenya.



THIS IS WHAT YOU CAN DO (STEP 1)

Think about the feeds you have on your farm and what your cow needs.

Good feed for cows must have at least 1 food from each of 3 sources: **PROTEIN, ENERGY AND MINERALS.**

Food found on smallholder farms in Western Kenya

ENERGY FOODS

like ugali for your family

- * Natural grasses
- * Napier grass
- * PROTEIN SOURCES Mix d
- * Reject maize

PROTEIN FOODS

like eggs or beans you
give to your children

- * Bean straw
- * Sweet potato vines

FOOD THAT FILLS

- * Banana pseudostems
- * Maize stover



STEP 2

Look at the options for improving the diet of the cows.

Extra feeds that you can give your cow to improve her health and production

ENERGY SOURCES

- * Molasses
- * Maize germ
- * Wheat germ

PROTEIN SOURCES

- * Fodder trees (Calliandra, Sesbania, Leucaena)
- * Desmodium
- * Poultry waste
- * Lucerne
- * Omena
- * Sunflower

MINERAL SOURCE

Dairy lick

FOOD THAT FILLS Farmers and scientists tested different diets.

Banana pseudostems The examples of balanced diets shown on this

Maize stover leaflet can guide you. They all have the right amount of energy, protein and minerals to meet the needs of a lactating cow.

Remember to use the amounts given to Your get a balanced diet.

HOW TO BALANCE A DIET



EXAMPLES

DIET 1 MIX UP	AMOUNT GIVEN EACH DAY	MEASURE
Chopped banana pseudostems	7 Kg	1/3 "fertilizer (50 Kg) bag"
Chopped Napier or roadside grass	15 1/2 Kg	1 gunny sack (70Kg)
Chopped fodder tree leaves (Calliandra, Sesbania & Leucaena)	7 Kg	1 calendar type plastic bag
Chopped sweet potato vines	1 Kg	1 gorogoro (packed)
Dairy lick	1/4 Kg	1 cup (size 8)
Dried poultry waste	1 Kg	1 gorogoro
Maize mix	2 Kg	2 gorogoros

This diet can give you up to 8 1/2 bottles of milk. It costs Ksh 29 a day and gives you up to Ksh 85 a day. You will need 1/4 acre of Napier or roadside grasses to feed this amount all year.

DIET 2 MIX UP	AMOUNT GIVEN EACH DAY	MEASURE
Chopped maize stover	6 Kg	1 debe
Chopped sweet potato vines	15 Kg	2 debes
Maize germ	3.4 Kg	3 1/2 gorogoros
Chopped Napier grass	15 Kg	2 debes
Cotton seed cake	0.6 Kg	1/2 gorogoro
Poultry waste Sprinkled with molasses	4 Kg 1 Kg	5 gorogoros 1 kimbo tin
Dairy lick	50 g	2 tablespoons

This diet can give you up to 12 bottles of milk. It costs Ksh 51 a day and gives you up to Ksh 120 a day.

DIET 3 MIX UP	AMOUNT GIVEN EACH DAY	MEASURE
Chopped maize stover	11 Kg	2 debes
Chopped sweet potato vines	15 Kg	2 debes
Chopped Napier grass	15 Kg	2 debes
Maize germ	3 Kg	3 gorogoros
Cotton seed cake	1.7 Kg	1 1/2 gorogoros
Dairy lick	50 g	2 tablespoons

This diet can give you up to 13 bottles of milk. It costs Ksh 52 a day and gives you up to Ksh 130 a day.

DIET 4 MIX UP	AMOUNT GIVEN EACH DAY	MEASURE
Chopped maize stover	11 Kg	2 debes
Chopped sweet potato vines	15 Kg	2 debes
Chopped Napier grass	15 Kg	2 debes
Dairy meal	4 Kg	4 gorogoros
Dairy lick	50 g	2 tablespoons

This diet can give you up to 13 bottles of milk. It costs Ksh 60 a day and gives you up to Ksh 130 a day.

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