

update_SNA_tech_diffusion

Do they meet criteria

Are you over 18?

- ☐ yes
- ☐ no

Do you particpate in some form of dairy livestock farming?

- ☐ yes
- ☐ no

Survey information

Date

yyyy-mm-dd

Time

hh:mm

Enumerator name

Participant name

Participant gender

- ☐ Male
- ☐ Female

Participants Phone number

Location of village

Use the 'detect location' button for accurate GPS coordinates

latitude (x.y °)

longitude (x.y °)

altitude (m)

accuracy (m)

**Participants home location**

Name of village

Personal information about the participant

How old are you?

Select your education level

- ☐ No formal education, can't read
- ☐ No formal education, can read
- ☐ Some primary education
- ☐ Higher than primary education

How many dependents do you have?

A dependent is a person who relies on you for financial support, e.g your children

How many years have you been farming for?

What percentage of your income comes from dairy livestock?

How many female cows do you have that have given birth at least once?

How much milk do you produce, in litres, a week?

skip if not known

How big is your farm in acres?

- ☐ 0 - 0.5 ac
- ☐ 0.6 - 2.5 ac
- ☐ Greater than 2.6 ac
- ☐ Dont know

Do you make the main decisions regarding farming in your household?

- ☐ Yes
- ☐ No

Is the main decision maker, in regards to farming, male or female?

- ☐ Male
- ☐ Female

Is farming your main source of income?

- ☐ Yes
- ☐ No

Which of the following is your main source of income?

- ☐ Employment
- ☐ Labour
- ☐ Business
- ☐ Other
- ☐ None of the above

Do you also get income from any of these sources?

- ☐ Employment
- ☐ Labour
- ☐ Business
- ☐ Other
- ☐ None of the above

How much money would you get for a litre of milk sold to the local cooperative in KES?

skip if not known

How much money would you get for a litre of milk sold at a local market in KES?

skip if not known

How long does it take you, in minutes, to get to the nearest market centre in KES?

skip if not known

Does your household have access to a mobile phone?

- ☐ yes
- ☐ no

Does your household have electricity?

- ☐ yes
- ☐ no

Do you have regular access to the internet?

- ☐ yes
- ☐ no

Milk sales

The sum of the percentages in these questions cannot exceed 100

What percentge of milk that you produce do you consume at home?

skip if not known

What percentage of milk that you produce do you sell to the cooperative?

skip if not known

What percentage of milk that you produce do you sell at local marktes?

skip if not known

Information on farmer groups

Are you a member of any farmer groups?

☐ yes

☐ no

» Repeat for each group that the farmer is a member of

1

What is the name of the group?

What is the purpose of the group (i.e cooperative)

Do you feel that you have a positive relationship with others in this farmer group?

☐ 1- not at all

☐ 2

☐ 3

☐ 4

☐ 5 - very positive relationships

Can you explain why you feel like you don't have a good relationship with those in this farmer group?

Formal networks

Have you ever received information on livestock farming or training on livestock farming, from any of the following (you can select more than one)?

- ☐ Dairy Cooperative
- ☐ Farmer Field Schools
- ☐ Volunteer Farmer Trainers
- ☐ Government Extension Officers
- ☐ Non-Government Extension Officers
- ☐ NGO Projects
- ☐ Government Projects
- ☐ Television
- ☐ Radio
- ☐ Newspaper
- ☐ Other

If 'other' was selected, where did you receive training / information from?

How helpful was the training/information you received from the dairy cooperative?

- ☐ 1- very unhelpful
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5 - very helpful

Can you explain why you did not find this training/information very helpful?

How helpful was the training/information you received from the farmer field schools?

- ☐ 1- very unhelpful
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5 - very helpful

Can you explain why you did not find this training/information very helpful?

How helpful was the training/information you received from the volunteer farmer trainer?

- ☐ 1- very unhelpful
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5 - very helpful

Can you explain why you did not find this training/information very helpful?

How helpful was the training/information you received from the government extension officer?

- ☐ 1- very unhelpful
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5 - very helpful

Can you explain why you did not find this training/information very helpful?

How helpful was the training/information you received from the non-government extension officer?

- ☐ 1- very unhelpful
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5 - very helpful

Can you explain why you did not find this training/information very helpful?

How helpful was the training/information you received from the NGO project?

- ☐ 1- very unhelpful
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5 - very helpful

Can you explain why you did not find this training/information very helpful?

How helpful was the training/information you received from the government project?

- ☐ 1- very unhelpful
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5 - very helpful

Can you explain why you did not find this training/information very helpful?

How helpful was the training/information you received from the TV?

- ☐ 1- very unhelpful
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5 - very helpful

Can you explain why you did not find this training/information very helpful?

How helpful was the training/information you received from the radio?

- ☐ 1- very unhelpful
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5 - very helpful

Can you explain why you did not find this training/information very helpful?

How helpful was the training/information you received from the newspaper?

- ☐ 1- very unhelpful
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5 - very helpful

Can you explain why you did not find this training/information very helpful?

How helpful was the training/information you received from this source?

- ☐ 1- very unhelpful
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5 - very helpful

Can you explain why you did not find this training/information very helpful?

Informal networks and relationships

Do you feel that you have a positive relationship with others living in your village?

- ☐ 1- not at all
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5 - very positive relationships

Can you explain why you feel like you don't have a good relationship with others living in your village?

Do you have a positive relationship with your wider family members?

- ☐ yes
- ☐ no

Do your wider family live in the same village as you?

- ☐ yes
- ☐ no

How far away do your family live in minutes?

Are you part of a religious or spiritual community? (e.g church, mosque, temple, religious study group)

- ☐ yes
- ☐ no

» repeat for each religious community the participant is a member of

What religious community are you part of?

How often does your religious community meet?

- ☐ More than once a week
- ☐ Once a week
- ☐ Once every two weeks
- ☐ Once a month
- ☐ Less than once a month

Are you a member of any informal finance, credit or savings groups? (e.g SACCO, merry-go-round, chama)

- ☐ yes
- ☐ no

» repeat for each informal finance group the participant is a member of

1

What is the name of your finance group?

Can you provide detail on the informal finance arrangements including who else is a member, whether the savings are for a specific purpose, how many people can access them, etc?

Are you a member of any community-based organisations or social / welfare groups?

- ☐ yes
- ☐ no

» Repeat for each social/welfare group or community based organisation the participant is a member of

1

What is the organisation / group called and what is its purpose?

How often does the group / organisation meet?

- ☐ More than once a week
- ☐ Once a week
- ☐ Once every two weeks
- ☐ Once a month
- ☐ Less than once a month

Use of improved feed / fodder

Read each of the information sources to the participant and tick the ones they have received information from.

Have you ever received training/information about improved feeds / fodder from any of these sources?

- ☐ Dairy Cooperative
- ☐ Farmer Field Schools
- ☐ Volunteer Farmer Trainers
- ☐ Government Extension Officers
- ☐ Non-Government Extension Officers
- ☐ NGO Projects
- ☐ Government Projects
- ☐ Television
- ☐ Radio
- ☐ Newspaper
- ☐ Other farmers
- ☐ Neighbours
- ☐ Don't know
- ☐ Other
- ☐ None of these

If other, where did you get the training / information on improved feeds/fodder from?

Do not read the names of the improved feed/fodders below. Let the participant list the feeds/fodders they know and tick them off the list below.

What types of improved feed/fodder are you aware of? List the names

For this question tick any of the improved feeds the participant names on the list below. If it is not there select 'other'

- ☐ Napier Kakamega 1
- ☐ Kakamega 2
- ☐ Desho Grass
- ☐ Chloris
- ☐ Phalaris
- ☐ Guatemala Grass
- ☐ Rhodes Grass
- ☐ Blue Buffalo Grass
- ☐ Bracchiaria
- ☐ Maize
- ☐ Cow Pea
- ☐ Desmodium
- ☐ Vetch
- ☐ Lucerne
- ☐ Trifolium
- ☐ Medicago
- ☐ Pigeon Pea
- ☐ Lablab
- ☐ Sesbania
- ☐ Leucaena
- ☐ Glyricidia
- ☐ Calliandra
- ☐ Tagasate / Tree Lucerne
- ☐ Other Improved Napier
- ☐ Setaria
- ☐ Oats
- ☐ Vetiver
- ☐ Sorghum
- ☐ None
- ☐ Other

Are you aware of any of the benefits that arise from using improved fodder / feed types?

- ☐ yes
- ☐ no

Do not read the names of the benefits below. Let the participant list the benefits they know and tick them off the list below.

What benefits are you aware of?

For this question, tick any of the benefits that the participant names on the list below. If it is not there select 'other' and give details in text section

- ☐ Drought resistant
- ☐ High nutrition content
- ☐ Increase milk production
- ☐ Grows fast
- ☐ Easy to manage
- ☐ Dual purpose
- ☐ Ability to regrow
- ☐ Easy to establish
- ☐ Reliable
- ☐ High palatability
- ☐ Improves animal fertility
- ☐ Good for silage making
- ☐ Longer storage duration
- ☐ Good protein supplement
- ☐ Good for hay
- ☐ Can be intercropped
- ☐ Other

If 'other' is selected, what other benefits occur from using improved feed/fodder?

Do you use any improved feed/fodder in your daily farming practices?

- ☐ yes
- ☐ no

Do not read the names of the improved feed/fodders below. Let the participant list the feeds/fodders they use and tick them off the list below.

Which improved feed / fodder do you use?

For this quesiton select from the list which feed/fodder the participant states that they use

- ☐ Napier Kakamega 1
- ☐ Kakamega 2
- ☐ Desho Grass
- ☐ Chloris
- ☐ Phalaris
- ☐ Guatemala Grass
- ☐ Rhodes Grass
- ☐ Blue Buffalo Grass
- ☐ Bracchiaria
- ☐ Maize
- ☐ Cow Pea
- ☐ Desmodium
- ☐ Vetch
- ☐ Lucerne
- ☐ Trifolium
- ☐ Medicago
- ☐ Pigeon Pea
- ☐ Lablab
- ☐ Sesbania
- ☐ Leucaena
- ☐ Glyricidia
- ☐ Calliandra
- ☐ Tagasate / Tree Lucerne
- ☐ Other Improved Napier
- ☐ Setaria
- ☐ Oats
- ☐ Vetiver
- ☐ Sorghum
- ☐ None
- ☐ Other

Where did you initially get the seeds for the improved feed / fodder that you use?

- ☐ Dairy Cooperative
- ☐ Farmer Field Schools
- ☐ Volunteer Farmer Trainers
- ☐ Government Extension Officers
- ☐ Non-Government Extension Officers
- ☐ NGO Projects
- ☐ Government Projects
- ☐ Other farmers
- ☐ Stockist or Vet
- ☐ Neighbours
- ☐ Other

If other, where did you get your seeds from?

Would you recommend using improved feed / fodder to other farmers?

- ☐ yes
- ☐ no

Why would you not recommend using improved feed / fodder to other farmers?

Why do you not use improved feeds / fodder?

Have you ever received training or information about concentrate feeds for your livestock?

- ☐ yes
- ☐ no

Where did you receive the training or information from?

- ☐ Dairy Cooperative
- ☐ Farmer Field Schools
- ☐ Volunteer Farmer Trainers
- ☐ Government Extension Officers
- ☐ Non-Government Extension Officers
- ☐ NGO Projects
- ☐ Government Projects
- ☐ Television
- ☐ Radio
- ☐ Newspaper
- ☐ Other farmers
- ☐ Neighbours
- ☐ Don't know
- ☐ Other
- ☐ None of these

What did the training / information you received recommend that you do in regards to concentrate feeds for your livestock?

Do you use any of the information / training you received in regards to concentrate feeds in your regular livestock farming practices?

- ☐ yes
- ☐ no

What information / training on concentrate feeds do you use in your daily practice?

Why do you not use any of the information and training in your daily practice?

Do you make hay or silage as part of your normal farming practice?

- ☐ yes
- ☐ no

Did you learn about hay or silage making from any of these sources?

- ☐ Dairy Cooperative
- ☐ Farmer Field Schools
- ☐ Volunteer Farmer Trainers
- ☐ Government Extension Officers
- ☐ Non-Government Extension Officers
- ☐ NGO Projects
- ☐ Government Projects
- ☐ Television
- ☐ Radio
- ☐ Newspaper
- ☐ Other farmers
- ☐ Neighbours
- ☐ Don't know
- ☐ Other
- ☐ None of these

Are you aware of the benefits of hay or silage making?

- ☐ yes
- ☐ no

Why do you not make hay or silage?

Have you ever received training or information on how to improve your use of crop residue?

- ☐ yes
- ☐ no

Where did you receive training/information on crop residue from?

- ☐ Dairy Cooperative
- ☐ Farmer Field Schools
- ☐ Volunteer Farmer Trainers
- ☐ Government Extension Officers
- ☐ Non-Government Extension Officers
- ☐ NGO Projects
- ☐ Government Projects
- ☐ Television
- ☐ Radio
- ☐ Newspaper
- ☐ Other farmers
- ☐ Neighbours
- ☐ Don't know
- ☐ Other
- ☐ None of these

What did the training / information you received recommend that you do in regards to crop residue?

Do you use any of the information / training you received in regards to crop residue in your regular livestock farming practices?

- ☐ yes
- ☐ no

What information / training on crop residue do you use in your daily practice?

Why do you not use any of the information and training you received on crop residue in your daily practice?

Animal health and vet information**Do you have access to a vet or animal health assistant in your village?**

- ☐ yes
- ☐ no

How long does it take you to get to the nearest vet?

Have any of your livestock ever suffered from any disease or illness?

☐ yes

☐ no

Did you have a vet or animal health assistant tend to them?

☐ yes

☐ no

Did you access the vet or animal health assistant through any of the following?

- ☐ Dairy Cooperative
- ☐ Farmer Field Schools
- ☐ Volunteer Farmer Trainers
- ☐ Government Extension Officers
- ☐ Non-Government Extension Officers
- ☐ NGO Projects
- ☐ Government Projects
- ☐ Television
- ☐ Radio
- ☐ Newspaper
- ☐ Other farmers
- ☐ Neighbours
- ☐ Don't know
- ☐ Other
- ☐ None of these

If other, how did you access the vet?

Would you recommend the vet or animal health care assistant to another farmer who experiences similar problems?

☐ yes

☐ no

Why would you not recommend the vet or animal health care assistant to another farmer?

Why did you not have a vet or animal health assistant attend to them?

Are you aware of the benefits that arise from vaccinating livestock?

- ☐ yes
- ☐ no

Can you list some of the benefits you are aware of?

Where did you learn about the benefits of vaccination?

- ☐ Dairy Cooperative
- ☐ Farmer Field Schools
- ☐ Volunteer Farmer Trainers
- ☐ Government Extension Officers
- ☐ Non-Government Extension Officers
- ☐ NGO Projects
- ☐ Government Projects
- ☐ Television
- ☐ Radio
- ☐ Newspaper
- ☐ Other farmers
- ☐ Neighbours
- ☐ Don't know
- ☐ Other
- ☐ None of these

Have you ever had any of your livestock vaccinated?

- ☐ yes
- ☐ no

Did you get access to the vaccination / vaccination services through any of the following?

- ☐ Dairy Cooperative
- ☐ Farmer Field Schools
- ☐ Volunteer Farmer Trainers
- ☐ Government Extension Officers
- ☐ Non-Government Extension Officers
- ☐ NGO Projects
- ☐ Government Projects
- ☐ Television
- ☐ Radio
- ☐ Newspaper
- ☐ Other farmers
- ☐ Neighbours
- ☐ Don't know
- ☐ Other
- ☐ None of these

If, other, where did you get access to the vaccination / vaccination service?

If you have access to vaccination services, would you get your livestock vaccinated?

- ☐ yes
- ☐ no

Why would you not vaccinate your livestock?

Would you recommend getting livestock vaccinated to other farmers?

- ☐ yes
- ☐ no

Why would you not recommend getting livestock vaccinated to other farmers?

Breeding services

Are you aware of the benefits that arise using improved (exotic or cross-breed) cows compared to local breed cows?

- ☐ yes
- ☐ no

What are the benefits that you are aware of?

What percentage of your livestock are exotic or cross-breed cows?

Have you ever used any of the following to breed your cows?

Multiple can be selected

- ☐ Artificial Insemination
- ☐ Hired Bull Service
- ☐ Own bull

Did you access the AI service through any of the following

- ☐ Dairy Cooperative
- ☐ Farmer Field Schools
- ☐ Volunteer Farmer Trainers
- ☐ Government Extension Officers
- ☐ Non-Government Extension Officers
- ☐ NGO Projects
- ☐ Government Projects
- ☐ Television
- ☐ Radio
- ☐ Newspaper
- ☐ Other farmers
- ☐ Neighbours
- ☐ Don't know
- ☐ Other
- ☐ None of these

If other, how did you access the A.I service?

Would you recommned using A.I services to other farmers?

- ☐ yes
- ☐ no

Why would you not recommend AI services?

Did you access the hired bull service through any of the following?

- ☐ Dairy Cooperative
- ☐ Farmer Field Schools
- ☐ Volunteer Farmer Trainers
- ☐ Government Extension Officers
- ☐ Non-Government Extension Officers
- ☐ NGO Projects
- ☐ Government Projects
- ☐ Television
- ☐ Radio
- ☐ Newspaper
- ☐ Other farmers
- ☐ Neighbours
- ☐ Don't know
- ☐ Other
- ☐ None of these

Would you recommend using hired bull services to other farmers?

- ☐ yes
- ☐ no

Why would you not recommend hired bull services?

Information transmission

If you had a question regarding dairy livestock farming, which of these would you most likely go to? You can select multiple

- ☐ Dairy Cooperative
- ☐ Farmer Field Schools
- ☐ Volunteer Farmer Trainers
- ☐ Government Extension Officers
- ☐ Non-Government Extension Officers
- ☐ NGO Projects
- ☐ Government Projects
- ☐ Television
- ☐ Radio
- ☐ Newspaper
- ☐ Other farmers
- ☐ Neighbours
- ☐ Don't know
- ☐ Other
- ☐ None of these

Do you regularly discuss dairy farming informally with friends, neighbours and family etc?

- ☐ yes
- ☐ no

Do you ever communicate with other farmers via mobile?

- ☐ yes
- ☐ no

What sort of farming topics / issues do you discuss with other farmers over the phone?

The individuals named in the following question may be approached to take part in this survey. Make this clear to the participants.

Can you give the names of at least three people who you talk to about farming? Please also provide their phone number, age and the location of their homes.
