



European Bank
for Reconstruction and Development



Report on

Trainings on modules :

1. Feeding and fodder production & preparation
2. Reproduction & health

13 – 23 March 2016

I. Detailed program:

13.03.2016 – Sunday	
18.15	Arrival to Kiev
19.00-20.00	Supper, departure from Kiev
23.00	Arrival to Uman, check-in, Hotel Fortetsya, Uman.
14.03.2016 – Monday	
8.00-9.00	Breakfast at the hotel
9.00-12.00	Presentations : 1. Optimization of herd reproduction - reserves of additional income. 2. Optimal parameters of herd reproduction - ways to achieve.
12.00-13.00	Dinner, Hotel Fortetsya
13.00-15.30	Transfer to LLC "Ustia"
15.30-17.00	Practical workshops at LLC "Ustia" (390 cows, tied housing, milk pipe) : 1. The procedure of artificial insemination by paets. 2. Different methods of rehabilitation cows dams from subacute and chronic metritis.
18.00-19.00	Supper
19.00-22.30	Transfer to Odessa
20.30-21.30	Check-in, Hotel «Reikartz Aleksandrovskiy Odessa",
15.03.2016 – Tuesday	
8.00-9.00	Breakfast at the hotel
9.00-12.00	Presentations: 1. Herd reproduction management technology. 2. Heat after heat. 3. One calf per cow per year. 4. Insemination synchronization - for and against.
12.00-13.00	Dinner
13.00-15.00	Transfer to LLC "Starokazatsky Syr" (Odessa region.)
15.00-18.00	Practical workshops at the LLC "Starokazatsky Syr" (190 cows, loose housing, combined milking parlor): 1. Dehorning of cows. 2. Dehorning of calves and removing extra teats.
18.00-19.00	Supper
19.00-22.30	Transfer to Nykolaev
22.30-23.0	Check-in, hotel " Reikartz River", Nykolaev
16.03.2016 – Wednesday	
7.00-8.00	Breakfast at the hotel
8.00-11.30	Transfer to LLC "TD" Dolinskoe " (Kherson region)
11.30-13.00	Presentations: 1. Ultrasound Scanner on a dairy farm. 2. Strategies to improve reproduction during heat stress. 3. Harvesting a high-quality forage - the basis of the profitability of dairy farming. "Principle of 3 K"
13.00-14.00	Dinner
14.00-17.00	Practical workshops at the LLC "TD" Dolinskoe " (780 cows, loose housing, milking parlor "Parallel 2x20"): 1. Determination of the number of somatic cells in commercial milk with the instrument "Ecomilk Scan". 2. Filling cows with a large volume of water by pump-drencher.
17.00-19.00	Transfer to Nova Kakhovka
19.00-19.30	Check-in, hotel "Premier", Nova Kakhovka.

19.30-20.30	Supper
17.03.2016 – Thursday	
8.00-9.00	Breakfast at the hotel.
9.00-10.00	Transfer to LLC "TD" Dolinskoe "(Kherson region)
10.00-12.00	Presentations: <ol style="list-style-type: none"> 1. The course of artificial insemination. 2. Starting and veterinary measures during the dry period. 3. A modern approach to the organization of the dry period.
12.00-13.00	Dinner
13.00-17.00	Practical trainings: <ol style="list-style-type: none"> 1. Preservation of cows udder at one-stage starting to the dry period. 2. Assessment of the nutritional status of cows and heifers. 3. Cow Comfort - the guarantee of health and productivity.
17.00-18.00	Transfer to Nova Kakhovka
18.30-20.00	Supper
18.03.2016 – Friday	
7.00-8.00	Breakfast at the hotel.
8.00-11.00	Transfer to LLC " PP "Stepnoy"
11.00-13.00	Presentations: <ol style="list-style-type: none"> 1. Sexed semen – to use or to be afraid of? 2. Experience in the organization of reproduction and protection of the herd health at the AMP farms. 3. The growing technology of alfalfa. 4. The harvesting technology of alfalfa silage. 5. Inoculation of alfalfa seeds - the X-factor of increasing nitrogen fixation productivity.
13.00-14.00	Dinner
14.00-17.00	Practical workshops at the LLC " PP "Stepnoy" (480 cows, loose housing, milking parlor "Parallel 2x12"): <ol style="list-style-type: none"> 1. Control of postpartum diseases. 2. Diagnosis and treatment of left-hand displacement of cows abomasum.
17.00-19.30	Transfer to Zaporozhye
19.30-20.00	Check-in, "Reikartz zaporizhia hotel", Zaporozhye.
20.00-21.00	Supper
19.03.2016 – Saturday	
8.00-9.00	Breakfast at the hotel
9.00-12.00	Presentations: <ol style="list-style-type: none"> 1. Current approaches to vaccine prevention of infectious diseases on dairy farms. 2. Different approaches to the programs of cattle technological vaccination. 3. Feed digestibility.
12.00-13.00	Dinner
13.00-13.30	Transfer to LLC "Niva" (Zaporozhye region)
13.30-17.00	Practical workshops at LLC "Niva" (60 cows, tied housing, milk pipe): <ol style="list-style-type: none"> 1. Blood withdrawal for laboratory tests. 2. Harvesting of roughage.
17.00-19.00	Transfer to Dnipropetrovsk
19.00-19.30	Check-in, Premier Hotel Abri, Dnipropetrovsk
20.00-21.00	Supper
20.03.2016 – Sunday	
8.00-9.00	Breakfast at the hotel.

9.00-9.30	Transfer to LLC "Katerynoslavskiy" (1200 cows, loose housing, milking parlor "Parallel 2x20")
9.30-12.00	Presentations at the LLC "Katerynoslavskiy" : 1. Practical aspects of farm protection from calf diarrhea pathogens. 2. Relevance of cattle clostridiosis on modern dairy farms. Ways to overcome. 3. Serological monitoring of the immunization technology quality.
12.00-13.00	Dinner
13.00-17.00	Practical workshops: 1. Express-test on 4-infectious agents causes of calf diarrhea. 2. Refractometry of blood serum of newborn calves.
17.00-17.30	Transfer to Premier Hotel Abri, Dnipropetrovsk
17.30-18.00	Check-in, Premier Hotel Abri, Dnipropetrovsk
18.00-20.00	Supper
21.03.2016 – Monday	
8.00-9.00	Breakfast at the hotel.
9.00-9.30	Transfer to LLC "Katerynoslavskiy"
9.30-12.00	Presentations: 1. Improvement of fresh cows. 2. Control of postpartum diseases. 3. Gynecological diseases. Diagnosis, prevention and treatment. 4. Deplaced abomasum. Effective control.
12.00-13.00	Dinner
13.00-17.00	Practical workshops at the LLC "Katerynoslavskiy" (150 cows, tied housing, milk pipe") 1. Intraaortal introduction of medicines. 2. Diagnosis of subclinical ketosis be the glucometer "Optium Exid"
17.00-18.00	Supper
18.00-22.00	Transfer to Myrgorod
22.00-22.30	Check-in, hotel "Myrgorod"
22.03.2016 – Tuesday	
8.00-9.00	Breakfast at the hotel.
9.00-12.00	Presentations: 1. Modern methods of milking. Protocol of operating procedures sequence. 2. The role of mastitis in milking. 3. Control of mastitis - the key to the milk production profitability. 4. The quality requirements for milk.
12.00-13.00	Dinner
13.00-13.30	Transfer to SE "im. Dekabristov "(Poltava region)
13.30-17.00	Practical workshops at the SE "im. Dekabristov "(350 cows, tied housing, milk pipe) 1. Milk samples selection for bacteriological studies.
17.00-18.00	Supper
18.00-22.30	Transfer to Kiev
20.30-22.00	Check-in, hotel "President", Kiev.
23.03.2016 - Wednesday	
7.00-8.00	Breakfast at the hotel.
8.00-9.30	Transfer to PAE " Ukraina" (Zhytomyr region)
9.30-11.30	Visit to the farm PAE " Ukraina".
11.30-12.00	Transfer to the hotel
13.30-14.30	Dinner at the hotel

14.30-17.00	Sight-seeing tour in Kiev.
17.0-17.30	Arrival at the airport "Borispol" Departure of the group.

II. Participants

- 1) **Bakur Edjibashvili** has 262 ha of land, 100 milking cows. Plans to expand through building of modern farm and additional cattle.
- 2) **Levter Kutsia** owns modern farm (expanding to 120 places) with 60 milking cows of local breed. Plans to expand. Has additional income (retail, bakery, etc.).
- 3) **Nikoloz Beniaidze** has 150 cows of Holstein breed and 150 cows of local breed, among them 90 are milking cows. Has a free-stall intensive farm, produces silos, barn feeding. He has 300 ha of land and milking system for 14 cows (made in Poland). Owns dairy processing unit (capacity-5t) and MCP (milk collection point).
- 4) **Alexi Mujirishvili** has 120 heads of cattle, among them 78 milking cows, farm on 200 places. He collects milk for Sante GMT products.
- 5) **Aleksandre Tsikhelashvili** has 90, among them 62 milking cows. Has old farm. Collects milk for Sante GMT products
- 6) **Zurab Masurashvili** has 45 heads of cattle, among them 35 milking cows. Modern farm for 50 heads. Owns 20ha of land.
- 7) **Kakha Alania** owns with swedish partners (70%) 150 milking cows, modern farm with equipment, 400 ha of land, dairy processing factory (capacity - 5t).
- 8) **Tale Aliev** has 3 farms, 1 among them is modern. Cattle – 120 heads, among them 60 milking cows. Rents 700 ha pasture. Milks up to 600 litre per day in summer time
- 9) **Aleksandre Mikheladze** owns modern farm with modern equipment and milking parlour for 8 cows at a time. Size is 54 X 15 m. Dairy processing factory (capacity-8 t). Plans to buy cows.
- 10) **Zaza Jorbenadze** owns 250 heads of cattle, among them 200 milking cows. Has 500 ha of land and modern dairy processing. Renovated 2 farm cowsheds with pipeline milking system. Produces Gouda cheese.
- 11) **Paata Vasenko** - Ambri is farm with Ukrainian investments: 300 ha own land, equipment for fodder production. Big newly renovated modern several farm cowsheds with milking parlour and other equipment. Cows are coming from Ukraine soon.

- 12) **Iveri Parkadze** - Father Kirion owns 25 ha of land and rents - 200 ha. Has 33 heads of Brown-Switz breed and 33 heads of youngsters. California type modern farm (height 7,5 m), milking system.
- 13) **Mindia Gushkashvili** has 75 milk cows, crossed with Schwitz. Has 2 new farms (48x11, height - 4 m) and an old one. 150 ha of land.
- 14) **Enri Kobakhidze** - together with his brother Mamuka and another partner has 450 heads of cattle (incl. buffalos), 95 milking cows, local breed , 80 imported Holstain breed. modern farm for 120, milking system is installed.
- 15) **Levan Arkania** - Redix Group - EBRD client. Very big moden farm all equipped
- 16) **Revaz Jabanishvili** has 66 milking cows, plans to add 33 heads of brown shwitz (Germany). Has a newly build farm of shed type, 10 m height on the top, 4.5 m on sides, with milking parlours paralel , arrable land 45 ha.
- 17) **Simon Khosrashvili** has 120 ha of land. Reconsructed cowshed with height 7 m. Has 90 milking cows of brown shvits breed.
- 18) **Murtaz Tsulukidze** owns 20 milking cows, 15 ha of land.
- 19) **Tamaz Banetishvili** owns 35 milking cows of holshtein breed, plans to purchase 100 in addition. Owns 32 ha land. Has reconstructed cowshed with 5-6 m height.
- 20) **Tariel Zhgenti** has 36 cows, among them 27 milking cows. Imported Holshtain and shvits breed. Has modern cowshed for 80 cows with milking parlour of simuntaneously milking 11 cows. Owns 14 ha land.

III. List of speakers

1. Sergey Fyl' - Director of the department of milk production technologies, Association of Milk Producers, Ukraine.
2. Mykhail Belokon',- Director of the Veterinary Medicine Department, Association of Milk Producers, Ukraine.
3. Igor Prysyzhnyuk - Project Manager of Ukrainian Holstein Association.
4. Yuriy Sivov – Director of the consulting center, Association of Milk Producers, Ukraine.
5. Artem Arutyunov - Chief specialist in feeding, the Consulting Center of the Association of Milk Producers, Ukraine.

IV. Evaluation of the training program and action plan

Practical and theoretical trainings on two modules (Feeding and fodder production & preparation and Reproduction & health) were held in Ukraine from 13 to 23 of March. The trainings were organized by the Association of Milk Producers (AMP).

20 managers and specialists of Georgia's dairy farms were studying milk production technology during 10 days on the workshops at the farms.

The topical issues of Georgian dairy livestock, namely the technology of cultivation and fodder, features of feeding for different age groups of animals, optimizing herd reproduction, working with fresh cows, increasing animal safety and others were raised on the trainings.

During the trainings Georgian farmers have not only gained theoretical knowledge from the best experts in the Ukrainian dairy farming and consultants APM - Yuriy Sivov, Mikhail Belokon', Sergey Fyl', Igor Prysyzhnyuk, Artem Arutyunov and others, but also visited practical workshops on dairy farms in different regions of Ukraine: LLC "Ustia" (Vinnitsa region.), LLC "Starokazatsky Syr" (Odessa region.), LLC "TD" Dolinskoe "(Kherson region.), LLC " PP "Stepnoy", LLC "Niva" (Zaporozhye region.) LLC "Katerynoslavskiy" (Dnepropetrovsk), SE "im. Dekabristov "(Poltava region.) and PAE "Ukraina"(Zhytomyr region). All farms are differ not only in number of livestock, but also in herd management system, milk production technology, organizational structure, as well as the volume of investment.

All participants highly appreciated the level of organization, the quality of trainings content and the opportunity to consult with experts.

Tamaz Banetishvili, the owner of Geo Farm: «During trainings in Ukraine, experts have helped us to correct the diet for dairy cows, which we use on our farm in Georgia, what increased milk production on the farm up to 150 liters per day (30 cows). I'm going to expand milk production, and acquired knowledge and a review of Ukrainian farms has helped me in the creation of the concept of modern farms, which I will build. "

"During visiting Ukrainian farms, I learned a lot of useful and practical information to optimize the process of herd reproduction, features of animal feeding for different age groups. Ukrainian farmers have enormous experience and expertise in milk production. We expect that experts of AMP will provide consultations and services on our farms in the nearest future" - Nikolos Beniaidze (Land Bank - 300 hectares, 300 heads of local and Holstein breeds, including 90 dairy cows, own processing capacity of 5 tons and milk collection point).

LLC "Ustia"

"I was struck by the fact that with relatively small investment, daily milk yield on the farm reaches 8 th. tons per cow. The cows diet is properly organized here, what allows Ukrainian farmers to have lower production costs than Georgian farmers." - Paata Vasenko, (land bank - 300 ha, reconstruction of dairy farm for 110 dairy cows with Ukrainian investments)

LLC "TD "Dolinskoe"

"While visiting farm I was satisfied that it is possible to achieve great results if knowing exactly what to do. I plan to expand my farm to 150 heads, and so I was interested to learn more about milking and herd management technology." - Alexandre Tsihelashvili (farm for 90 heads, including 62 dairy cows).

LLC " PP "Stepnoy"

"The feature of this farm is its own farm production, processing and marketing. I am confident that the farm will always have good prospects, even regardless of milk price changes

under these conditions.” - Mindia Gushkashvili (Land Bank - 150 ha, dairy farm for 120 heads, including 75 dairy cows)

It is important to note that all Georgian farmers have a possibility to ask questions to the experts through a forum and to get acquainted with the project materials and other useful information through a web resource: <http://georgiandairy.org/ka>.

V. Video-, photo- reports

Video report of the trainings:
<https://www.youtube.com/watch?feature=youtu.be&v=fX5u-Ua84rA&app=desktop>

Photo report of the trainings: <http://georgiandairy.org/ru/post/modulnye-treningi-v-ukraine>