

PFHBiPM's laboratories tasks

Four milk laboratories functioned within Polish Federation of Cattle Breeders and Dairy Farmers services in 2018, each of them covered a specific area as follows:

RECORDING REGION IN PARZNIEW

- **Laboratory in Białymstok** located in Jeżewo Stare – Podlaskie voivodeship action area;
- **Laboratory in Parzniew** – Mazowieckie, Lubelskie, Łódzkie, Małopolskie, Podkarpackie and Świętokrzyskie voivodeships action area,

RECORDING REGION IN POZNAŃ

- **Laboratory in Kobierno** – Lubuskie, Wielkopolskie, Dolnośląskie, Opolskie and Śląskie voivodeships action area,

RECORDING REGION IN BYDGOSZCZ

- **Laboratory in Bydgoszcz located in Minikowo** – Kujawsko-pomorskie, Pomorskie, Warmińsko – mazurskie and Zachodniopomorskie voivodeships action area.

including two laboratories that have fodder analyze lab. i.e.:

- **Laboratory in Białystok located in Jeżewo Stare** – for Podlaskie, Warmińsko – mazurskie, Lubelskie, Łódzkie, Małopolskie, Mazowieckie, Podkarpackie i Świętokrzyskie voivodeships action area.
- **Laboratory in Kobierno** – for Lubuskie, Wielkopolskie, Dolnośląskie, Opolskie and Śląskie, Kujawsko-pomorskie, Pomorskie, and Zachodniopomorskie voivodeships action area.

In order to increase Breeders' interest in forage analysis, PFHBiPM continues the promotion actions of our independent forage laboratories services during cattle exhibitions and fairs. During such events, breeders are offered free of charge analyses of the basic chemical parameters of the chemical composition of forage samples provided by themselves. The results obtained are given to a breeder in a form of an advertising leaflet and are discussed with PFCBDF's feeding advisor on the spot.



The fodder laboratories scope of analyses:

Roughage (basic chemical composition, fiber fractions, nutritional value)

- corn silage;
- grass and alfalfa silage;
- legumes with grass silage;
- ensiled corn grain;
- meadow hay.

Roughage (basic chemical composition, fiber fraction)

- TMR based on corn.

Grains and crushed grains (basic chemical composition)

- cereal and corn grains (whole and crushed);
- rape and soybean crushed grains;
- legumes and sunflower grains;
- mixtures of the above grains and crushed grains.

The milk laboratories scope of analyses:

PFCBDF's laboratories perform milk composition analyses for the following parameters: fat, protein, casein, lactose, dry solids, urea and somatic cell counts based on international standards such as: PN-ISO 9622: 2015 and PN-EN ISO 13366-2: 2007.

PFCBDF's laboratories performed following number of analyses for different clients in 2018:

Laboratory	Milk Recording	External clients	Total	Fodder
Białystok	1 578 451	581	1 582 569	3 086
Parzniew	2 406 038	1 973	2 408 245	-
MRR PARZNI EW	3 984 489	2 554	3 990 814	3 086
MRR POZNAŃ	2 004 961	17 778	17 778	4 843
MRR BYDGOSZCZ	1 666 180	2 083	1 669 290	-
POLAND	7 655 630	22 415	7 688 248	7 929

Each of our laboratories has implemented and constantly improves the management system, that is compliant with the standard PN-EN ISO / IEC 17025: 2005 requirements titled: „General requirements for the competence of testing and calibration laboratories”. The laboratories are certified by the Polish Centre for Accreditation, that is the only statutory institution granting accreditation to research laboratories in Poland. PCA being a member of a European organization associating national accreditation institutions, has the right to grant certificates that are recognized throughout the Europe.

PCA certificates were granted to the following laboratories:

- **Laboratory in Białystok located in Jeżewo Stare AB 472;**
- **Laboratory in Parzniew AB 822;**
- **Laboratory in Kobierno AB 470;**
- **Laboratory in Bydgoszcz located in Minikowo AB 473.**



AB 470
AB 472
AB 473
AB 822

Laboratories work in accordance with international PN-EN ISO/IEC 17025:2005 standard requirements in terms of milk analysis, which guarantees:

- reliability of the measurements;
- objectivity;
- independence;
- accuracy of testing and measuring devices;
- the use of standardized test methods;
- the principles of traceability;
- highly qualified personnel.

