

PFCBDF's LABORATORIES TASKS

Four milk laboratories functioned within Polish Federation of Cattle Breeders and Dairy Farmers services in 2017, 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 i Świętokrzyskie voivodeships action area.

RECORDING REGION IN POZNAŃ

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

RECORDING REGION IN BYDGOSZCZ

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

w tym dwa laboratoria posiadające pracownie analiz pasz:

- **Laboratorium w Białymstoku z/s w Jeżewie Starym** – teren działania woj. podlaskie, warmińsko – mazurskie, lubelskie, łódzkie, małopolskie, mazowieckie, podkarpackie i świętokrzyskie.
- **Laboratorium w Kobiernie** – teren działania woj. lubuskie, wielkopolskie, dolnośląskie, opolskie i śląskie, kujawsko- pomorskie, pomorskie i zachodniopomorskie.

In order to meet our breeders' growing interest in feed analyses, PFCBDF expanded the analyses scope in September 2017 by the parameters indicating ensilage quality i. e: lactic acid, acetic acid, ammonia nitrogen, alcohol, nitrogen insoluble in acid detergent – ADIN.

Taking into account the aforementioned changes, a series of promotion actions were launched by PFCBDF during breeding exhibitions and fairs in order to underline our labs high quality services, wide range of analyses and first of all the independency of the results. Breeders can benefit from free of charge analyses of basic chemical components parameters of their feed samples during such fairs. 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 2017:

Laboratory	Milk Recording	External clients	Total	Fodder
Białystok	1 518 564	746	1 521 709	2 364
Parzniew	2 320 250	1 149	2 321 423	-
MRR PARZNIEW	3 838 814	1 895	3 843 132	2 364
MRR POZNAŃ	1 956 099	18 115	1 977 736	3 485
MRR BYDGOSZCZ	1 629 948	1 351	1 631 812	-
POLAND	7 424 861	21 361	7 452 680	5 849

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.

