

**THE INDEPENDENT AGENCY FOR ACCREDITATION AND
RATING**

THE External Expert Commission



Independent agency for
accreditation rating

*Addressed to the
Accreditation council of the IAAR*

The Report

**about the results of the external expert commission activity in the
evaluation**

**on the correspondence to the standards requirements of the specialized
accreditation of educational programs**

**5B081100 - Plant Protection and Quarantine, 6M081100 - Plant Protection and
Quarantine, 6D081100 - Plant Protection and Quarantine, 5B060800 - Ecology,
6M060800 - Ecology, 6D060800 - Ecology**

**Republican state enterprise on the economic management right «Kazakh
National Agrarian University»
from 10 to 12, November, 2015**

Almaty, 10-12, November, 2015

In accordance with the order 26-15-GD from 3/11/2015 of the Independent Agency for Accreditation and Rating in the period of 10 – 12, November, 2015 in the Republican state enterprise on the economic management right «Kazakh National Agrarian University» the external expert commission evaluated the correspondence of educational programs 5B081100 - Plant Protection and Quarantine, 6M081100 - Plant Protection and Quarantine, 6D081100 - Plant Protection and Quarantine, 5B060800 - Ecology, 6M060800 - Ecology, 6D060800 – Ecology on the specialized accreditation standards of the IAAR.

The report of the external expert commission (EEC) contains the evaluation of the fixed educational programs to the IAAR criterias, recommendations of the external expert commission in the further improvement of educational programs and profile parameters of educational programs of the Republican state enterprise on the economic management right «Kazakh National Agrarian University».

The external expert commission worked in the following staff:

1. **The Chairman of the Commission** – Bakushev Askar Asilgalievich, c.t.s., Zhangir-khan West Kazakhstan agrarian technical university (Uralsk);
2. **Foreign Expert** - (Saljnikov Elmira), doctor Ph.D, Leading Researcher of the Scientific-Research Institute of Soil (Belgrade, Republic of Serbia);
3. **Foreign Expert** – Levykh Alyona Uriyevna, c.b.s., docent, Ishym pedagogical Institute (branch) ФГБОУ ВО «Түмен state university» (Ishym, Russia);
4. **Expert** – Ibadullaeva Saltanat Zharylkasymovna, d.b.s., professor, Korkyt-Ata Kzylorda state university (Kzylorda);
5. **Expert** – Stybaev Gani Zhasymbekovich, c.a.s, docent, S.Seifullin Kazakh Agrotechnical university (Astana city);
6. **Expert** – Sattybaeva Zeinegul Dzhumabekovna, c.a.s, docent, Sh. Ualikhanov Kokshetau state university (Kokshetau);
7. **Expert** – Aryngazin Kapar Shakimovich, c.t.s., professor, S.Toraigyrov Pavlodar state university (Pavlodar);
8. **Expert** – Turebaeva Klara Zhamanbaevna, d.p.s, professor, K. Zhubanov Aktyube regional university (Aktyubinsk);
9. **Expert** – Yeszhanov Galikhan Serdalinovich, c.t.s, docent, Sh. Ualikhanov Kokshetau state university (Kokshetau);
10. **Expert** – Ualkhanov Baizhan Nurbaevich, c.t.s, docent, T. K. Zhurgenov Kazakh national academy of art (Almaty city);
11. **The employer** – Saparov Galymzhan Abdullaevich, c.a.s., head of the “Agrochemistry” department of U. Usпанov Kazakh scientific-research Institute of the soil management and agricultural chemistry (Almaty city);
12. **Student** – Mekesov Shamshinur Askaruly, a third year student of Al-Pharabi Kazakh national university (Almaty city);
13. **An observer from the Agency** - Kanapiyanov Timur Yerbolatovich, head of International Projects of an Agency (Astana city).

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PRESENTATION OF THE KAZAKH NATIONAL AGRARIAN UNIVERSITY

The RSE on the EMR «Kazakh National Agrarian University» (further – KazNAU) was founded on the base of the two oldest institutions of higher education of the country – Almaty zoo-veterinary and Kazakh Agricultural Institute.

Almaty zoo-veterinary Institute was founded in 1929 (The Decree of the Soviet people commissioners of RFSR from 26/06/1929)

The Kazakh agricultural Institute was founded in 1930 (The Decree of the People Commissars Council of RSFSR, minute № 40 from 18/06/1929).

The Kazakh state agrarian university was founded in 1996 (The Decree of the Government of the Republic of Kazakhstan №422 from 11/04/2015).

In 2001 the university was awarded the status of National University (The Decree of the President of the Republic of Kazakhstan of Nursultan Nazarbayev № 648 from 5/07/2001).

In 2010 the President of the Republic N.A.Nazarbayev visited Kazakh national agrarian university on the occasion of the 80-th anniversary, who highly evaluated the activity of the university faculty. He noted that the scientific-educational and innovative policy of the university is aimed at a gradual transition of the homeland agrarian science to a new internationally-recognized level.

The Kazakh national agrarian university is among of 10 universities of Kazakhstan, on the basis of which, in accordance with the Message of the President of the Republic of Kazakhstan "Nurly Zhol - THE WAY OF THE FUTURE" to the people of Kazakhstan will be training for the projects of the State program of industrial-innovative development for 2015-2019.

It is planned to realize an autonomous management model that focuses on the development of modern academic programs based on a high-level of a scientific research with their practical implementation in the real production.

The KazNAU takes third place among of 13 technical universities in the national rating of higher education institutions of the Republic of Kazakhstan and ninth place the top of 30 universities of the Republic of Kazakhstan.

According to the European scientific and industrial chamber, the university takes seventh place among of the universities of the third level (BBB).

According to the Center of the Bologna process and academic mobility of MES of RK, in the academic rating of universities of Kazakhstan on cross specialities of higher and postgraduate education, the KazNAU takes first place on the specialities of "Technology of production of livestock products, "Agrarian equipment and technologies", "Soil Science and Agricultural Chemistry", "Veterinary medicine", "Veterinary sanitation"; second place on the speciality of "Ecology"; third place on the speciality of "Agronomy".

According to the information of "QS" agency, the Kazakh National Agrarian University has entered 300 universities of the world rating.

THE DESCRIPTION OF THE EEC VISIT

The activity of the EEC of the Independent Agency for Accreditation and Rating (IAAR) was carried out on the basis of the Program of the external experts visit of specialized accreditation to RSE on EMR "Kazakh National Agrarian University" in the period from 10 to 12, November, 2015. Necessary work materials were presented to members of the EEC of IAAR. To coordinate the work of the Commission, setting meeting was held on the 10-th of November, 2015, during of which the powers were distributed between members of the Commission, the schedule, program and method of examination of the visit were elaborated and agreed.

The meetings took place with the rector, vice-rector, heads of departments responsible for organizing and supervising the academic process, the deans of faculties, heads of the chairs, employers, teachers, trainees, graduates, staff from various departments with the object of evaluation, elaboration and supplement of the content of submitted self-reports. 439 people took part in all the meetings (Table.1).

The EEC meetings with focus groups were held in accordance with the elaborated program of the visit, with the maintenance of the established timetable. The presence of all the persons, mentioned in the program of the visit was provided with the staff of the Kazakh National Agrarian University.

For obtaining the objective information on the evaluation of educational programs, EEC members of the IAAR used techniques such as: meetings, visits, discussions and interviewing of colleagues of a various departments, students, a survey of the Faculty and students.

In general, the activities which were planned during the visit of the EEC of the IAAR, assisted a detailed introduction of experts with the academic infrastructure of the University, material and technical resources, the Faculty, the representatives of organizations of employers, learners (students, undergraduates, doctoral students), graduates. This allowed the members of the EEC of the IAAR to conduct an independent evaluation of the data accordance, contained in the reports on self-evaluation of educational programs of the university with the standards criteria of specialized accreditation.

Table 1: Information about the colleagues and students who participated in the meetings with the EEC of the IAAR

| Category of participants | Number |
|--|------------|
| Rector | 1 |
| Vice-principal | 7 |
| Deans | 4 |
| Heads of the Chairs | 8 |
| Managers and employees of structural divisions | 37 |
| Lecturers | 76 |
| Students | 87 |
| Masters | 51 |
| PhDs | 30 |
| Graduates | 99 |
| Employers | 39 |
| Totally | 439 |

During the EEC work the following activities were conducted:

1) visual inspection of the objects of the university infrastructure: visit of classrooms in the main academic building, academic classrooms and laboratories of the Chair of Plant Protection and Quarantine and the Chair of Ecology, the scientific library, student hostels, student canteen, scientific-research laboratories and other subdivisions;

2) visiting of academic lessons:

| Course / Group | Discipline | Form of a lesson / Theme | Lecturer |
|-------------------------|--------------------------------------|--|---|
| 1 course E-115 group | Urban ecology | Practical lesson. The theme of "Ecology of the urbanized territories." | Baishalov n.B., senior teacher |
| 3 course E-312 group | Global ecology | Practical lesson. The theme of "Ecology of aquatic ecosystems" | Usenova G., assistant |
| 1 course PP-114 | General and inorganic chemistry | Practical lesson. "pH of the solutions. Hydrolysis of salts " | Akhatova Z.S., c.a.s., associated professor |
| 3 course PP-308 | Harmful nematodes, mites and rodents | Practical lesson "The morphology of rodents" | Kanatova M.K., senior teacher |

- 3) familiarity with the faculty of the departments "Plant Protection and Quarantine", "Ecology" in the workplace and in the process of planning meetings and interviews;
- 4) Pick-up interviews with students, employers;
- 5) analysis of documentation on the work organization at the Chairs (the minutes of the Chair meetings, plans of scientific-methodological seminars, laboratory working plans, training-methodical manuals of teachers of the Chair, EMCD and others.) and in the dean (minutes of the meetings of the Academic Council of the Faculty and others.

For the EEC work comfortable conditions were created, organized the access to all the necessary information resources.

12, November, 2015, the recommendations on the improvement of accredited educational programs were represented as a part of the planned program on the meeting with the leaders.

GENERAL EVALUATION OF EDUCATIONAL PROGRAMS

Republican state enterprise on the EMR "The Kazakh National Agrarian University" is the subject of higher education of the Republic of Kazakhstan, has a state license to conduct educational activities №0142690 from July 3, 2011 (unlimited term of the license) issued by the Committee for Control education and Science of the Ministry of Education and science of the Republic of Kazakhstan.

The RSE on the EMR "The Kazakh National Agrarian University" trains specialists on the basis of secondary, vocational and higher education on specialities of bachelor, magistracy and PhD:

5B081100 - Plant protection and quarantine, education period - 2, 3, 4 years, 5 years, the number of appendixes to license № 0111645, period from the date of issue 03.07.2011

6M081100 - Plant protection and quarantine, education period - 1, 1.5, 2 years, the number of appendixes to license № 0111639, period from the date of issue 03.07.2011;

6D081100 - Plant protection and quarantine, education period - 3 years, the number of appendixes to license № 0111643, period from the date of issue 03.07.2011;

5B060800 - Ecology, education period - 2, 3, 4 years, 5 years, the number of appendixes to license № 0,111,637, issue date of 03.07.2011;

6M060800 - Ecology, education period - 1, 1.5, 2 years, the number of appendixes to license № 0,111,646, issue date of 03.07.2011

6D060800 - Ecology, education period - 3 years, the number of appendixes to license №0,111,644, issue date of 03.07.2011

Educational programs of the university are implemented in accordance with the State educational standards of the RK "Strategy of development of the Kazakh National Agrarian University 2020" (Minutes of the meeting of the Academic Council №8 of 02.06.2015; http://www.kaznau.kz/material/strategia_raz.pdf).

The content of educational programs of higher and postgraduate education is developed based on the principles of continuity and succession in accordance with modern achievements of science, technology and production requirements.

Work on the realization of educational programs is aimed at satisfaction of the needs of the Republic of Kazakhstan and at the improvement of the quality of graduates schooling. The development of educational programs provides the formation of the key, substantive and specific competencies.

Achieving these objectives is guaranteed by the fact that implementing basic educational processes are highly qualified from among scientific and teaching staff and specialists-practitioners, as well as the developed university infrastructure, the use of modern educational technologies.

Planning, forecasting, management and realization of educational programs of the Chair carries out in accordance with future development plans and working plans, approved for each academic year. The range of issues to be discussed at the Chair meetings, covers the main directions

of their activity. Working plans analysis and minutes of meetings show that the issues correspond to the current of EP objectives and decisions contribute to improving bachelor, masters and doctorals and sustainable development of the university.

Chairs critically approach to the analysis of its activities: carries on the evaluation of the strong and weak sides, defines the conception of education policy.

ACCORDANCE TO THE SPECIALIZED ACCREDITATION STANDARDS

1. Standard "Management of the educational program"

Management and development of the EP specialities of higher and postgraduate education 5B081100 / 6M081100 / 6D081100 - Plant protection and quarantine, 5B060800 / 6M060800 / 6D060800 - Ecology carries out in accordance with the legal documents of the Republic of Kazakhstan of MES, development Plans of the "Kazakh National Agrarian University on realization the strategy till 2015."

The general objective of these programs - training of bachelors, masters and doctorals, who know and understand the strategy of development of agricultural education with the necessary competencies and are able to realize them in their professional activities. Particular attention is paid to the formation of a multicultural person with knowledge of the social significance of the acquired profession.

The basis of the educational process included the requirements of the Bologna Convention.

The implementation of accredited educational programs carries out in accordance with the strategic priorities of the university on the basis of planning for the departments and faculties. At the meetings of the Chairs and educational-methodical faculty council, the organization of educational, methodical, organizational-methodical, innovative, scientific-research, educational work, the development of material and technical base, the academic mobility of students, the results of examination of teaching methods of production and so on are discussed.

By the definition of tasks for the development of educational programs, teachers are involved in producing graduates Chairs, students and employers.

Educational programs are designed in accordance with the SCES of specialities and SCES of higher and postgraduate education, approved by the Government of RK are agreed with the mission of the university and the relevant demands of employers. The Commission notes a sufficient level of the provided quality educational services at the university, accredited educational programs adequacy requirements of modern society and the problems of industrial-innovative development of the region.

Planning the learning process represented by the structure of related documents (model curricula, CED, the basic working curricula and individual educational plans of students, working curricula of specialties) and a set of different types of educational-methodical documentation. Annually catalogs of elective courses are developed for the implementation of educational programs, which describe the discipline component of choice with a brief indication of the content of pre- and post-requisites. QED is available for students in print and electronic media (AIS «Platonus», the dean of the Faculty of Agrobiology and phytosanitary, in the departments). The structure and content of working curricula meet SCES and the corresponding model curricula. The sequence of study subjects is built with the use of pre- and post-requisites. Program courses are designed at the proper scientific and methodical level.

Process and procedure for the approval of educational programs supported through the development of legal and administrative documentation and ensure its availability to the team.

Realization of educational programs 5B081100 / 6M081100 / 6D081100 - Plant protection and quarantine, 5B060800 / 6M060800 / 6D060800 - Ecology, matching their vision, mission and strategy is provided in the first place, through the planning system.

For the formation of the Development Plan of EP involved representatives of representative stakeholder groups: university administration, faculty, staff, who conduct market research scientific, educational services and the labor market, students and employers. On the basis of a public debate in academic groups at faculty meetings, teaching faculty council amended, proposals and

amendments.

Educational programs 5B081100 / 6M081100 / 6D081100 - Plant protection and quarantine, 5B060800 / 6M060800 / 6D060800 - Ecology designed to meet the needs of the state, employers and students, consistent with national development priorities: Strategy: Kazakhstan-2050, the program: "Agribusiness 2020" and the strategy university development.

Contents of EP 5B081100 / 6M081100 / 6D081100 - Plant protection and quarantine, 5B060800 / 6M060800 / 6D060800 - Ecology is developed on the basis of continuity of the previous levels of education; ensure the completion of each stage of education and enables interrupt generation to enter the sphere of professional activity or to continue their education. The goals, objectives, contents, methods, techniques, means and forms of organization of learning at all educational levels consistent.

The university operates the site www.kaznau.kz, its own information system and a database of students and teaching staff, implemented in conjunction with a single shell Platonus. Activities www.kaznau.kz a web-site aimed at the implementation of the authorized representative on the Internet and includes the following sections: "About the University", "Governance and Institutions", "Science and Innovation", "International Cooperation", "Gallery" "Entrant", "Distance learning», «Platonus», «Electronic Library", "Student House" and others .. The information-analytical complex management of educational process is a set of information systems that accompany the entire cycle of the learning process - from the formation of a contingent to the final evaluation of students. Embedded in the management activities of the AIS "Electronic Journal of the curator", "Journal of Accounting progress" "State procurement", "Accounting for fixed assets", "Report Card Time Attendance", "Travel" make it easier to inform employees of the university of different levels on the implementation of the necessary actions and decisions, On the other hand - the executive staff of the university provide the ability to track indicators characterizing the EP necessary for operational, tactical and strategic management of educational process.

On the university website under "Main" category "university reviews" posted reviews of different groups of interested parties on the implementation of accredited educational programs. Under the heading "Management", "Pro-rectors", "public reception of the University", "faculties", "Contact", "Question Dean" contact information on the heads of the university, heads of departments and teachers, which indicates the presence of a communication channel through which any the person concerned may make suggestions for improving the performance of EP, and also confirms the openness and availability for students, parents and faculty of educational programs management.

The accredited uniqueness of the EP due to their orientation on the regional labor market, particularly manufacturing and climatic features of southern Kazakhstan.

The Personality Development Plan of EP due to the possibility of building an individual educational trajectories of students through the selection of disciplines, taking into account personal preferences and changing needs of the labor market.

Accordance with the strategy implementation of EP demands of the labor market is confirmed by the high percentage of employment of graduates (on average 83% - on "Ecology" speciality, 97% - in "Plant Protection and Quarantine") and reviews of employers who say the graduates of the educational program: Maturity of basic competencies: knowledge in the field of ecology, plant protection and quarantine; possession of professional skills and interpersonal communication; display of personal and general professional competencies such as the ability to plan, organize and carry out production and research work on solving professional problems; social responsibility for the results of their labor; commitment to professional and personal growth; - knowledge of modern computer technologies.

Employers say that demand qualities of the graduates along with professional knowledge and skills are also in the related fields of competence, capacity for innovation and creativity, the use of information technology, computing and communication tools, discipline and responsibility.

To the discussion of the EP on "Plant Protection and Quarantine" speciality on a regular basis involved the following employers: A.O. Sagitov - General Director of the Kazakh Institute of

Plant Protection and Quarantine, academician of NAS of RK; Kairova G.N. - General Director of the Kazakh Research Institute of Horticulture and Viticulture; Sarbaev A.T. - Head of the Laboratory of plant protection and immunity of the Kazakh Institute of Agriculture and crop production, agricultural sciences, d.a.s.; Aitkulov A.K. - Director of the "National Quarantine Laboratory" OIG AIC MA of RK; Atantaev B.M. - The director of the Almaty regional branch of the "National Methodological Center of phytosanitary diagnostics and forecasts," OIG AIC MA of RK; Aliyev K.I. - The director of the Almaty City Territorial Inspectorate OIG AIC MA of RK.

In the development of educational programs in the speciality "Ecology" on a continuous basis involves the following employers: Akkoziev O.S. - Head of the Department of Ecology in Almaty, Tulekbaev E.T. - Director General of the RSE Kazakh Research Institute of Ecology and Climate, Sadanov A.K. - General Director of "Institute of Microbiology and Virology" Sitpaeva G.T. - Director General of RSE "Institute of Botany."

The requirements imposed by consumers, reflected in QED of job training plans, individual training plans for students and undergraduates.

Benchmarks of educational programs are structured by types and areas of activity and include administrative, educational, scientific, educational, economic, marketing and career-oriented jobs, which are the base for the organization of planning, development and consistent quality of services provided.

On the basis of the existing system of quality management at the level of the university and department carries out regular monitoring of performance and adjust plans for the development of educational programs and their implementation. During the implementation of EP collects and analyzes statistics on the contingent of students and graduates, available resources, personnel, research and international activities, and other areas, and monitored the extent to which planned results, in accordance with the procedures of the QMS.

There is a feedback system, focused on students, staff and stakeholders, including regular meetings with the staff of the rector, the faculty of the Council with the participation of senior management, the institution of supervision, the rector of direct mail in the form of complaints and suggestions box, a blog on the website of the University Rector.

Based on the analysis and evaluation of monitoring indicators developed preventive and corrective action, efficiency and effectiveness of which is considered at faculty meetings, EMC and the Faculty Council.

The Commission notes the close cooperation with employers producing departments in the organization of practices, diploma projects, with career guidance, placement of graduates.

An important factor is the availability of information systems and databases, use of the Internet for information, the availability of the website containing the information reflecting the activity of the university.

The priorities of research which are implemented by Faculty of EP correspond to the national policy in the sphere of education, science and innovation.

During the last 3 years teachers working for accredited of EP, carried out research on the grant of the Ministry of Education and Science of the Republic of Kazakhstan on 8 topics with a total funding volume for the reporting period, more than 77.1 million tenge

- 1) Increasing the productivity of winter wheat based on genetic resistance to stinking smut promising material and optimizing the use of drugs for the treatment of seeds and micronutrients (Head: Dutbaev E.B., PhD, acting associate professor of defense and plant quarantine, the period of implementation of R & D - 2012/2014, 31.5 million tenge);
- 2) Fauna, ecology and economic importance of lepidopteran insects (Insecta, Lepidoptera) in agroecosystems South-Eastern Kazakhstan (Head: Agibaev A., Ph.D, professor of plant protection and quarantine, the period of implementation of R & D - 2012/2014, 9.0 mln. tenge);
- 3) The introduction of resource-saving technologies of cultivation of soybeans under irrigation (Head of Suleimenov N.S., Doctor of Agricultural Sciences, professor of ecology, research implementation period - 2012/2013, 4.5 mln. tenge);
- 4) Development of scientific bases for monitoring the efficiency of the plant systems and

technologies reducing the concentration of CO₂ in the atmosphere of a large urban area (Head of Suleimenov N.S., Doctor of Agricultural Sciences, professor of ecology, research implementation period - 2012/2013, 4 5 mln. tenge);

5) The development of innovative technology to increase soil fertility and restoration of the south and south-east of Kazakhstan (Head Elikbaev B.K., Ph.D, professor of ecology, research implementation period - 2012/2014, 14.6 million. tenge) ;

6) Improvement measures of weed control on crops of soybeans in the crop rotation system in the system of short-rotation in a southeast of Kazakhstan (Head of Suleimenov N.S., Doctor of Agricultural Sciences, professor of ecology, research implementation period - 2012/2013. 4.05 mln. tenge);

7) Development of resource-saving technologies of cultivation of soya and rape under irrigated zone southeast of Kazakhstan (Head of Suleimenov N.S., Doctor of Agricultural Sciences, professor of ecology, research implementation period - 2012/2015, 4.95 mln. tenge);

8) The rational alternative technology rape agro-ecosystems in a foothill zone of southeast Kazakhstan (Head of Suleimenov N.S., Doctor of Agricultural Sciences, professor of ecology, research implementation period - 2012/2013, 4.0 million. tenge).

The main results of research are being introduced in the educational process.

The results of research "Development of innovative technologies to improve soil fertility and restoration of degraded soils of the south and southeast of Kazakhstan" and "improvement measures to combat weeds in the crops of soybeans in the short-rotational crop rotation in the conditions of the southeast of Kazakhstan" implemented in the following disciplines master and doctoral speciality "Ecology": Research techniques; the soil and the environment; evaluation of the impact of agriculture on the environment of the object; green technology and renewable resources; methodology of fieldwork, processing and analysis of experimental data; biomonitoring of the environment; soil microbiology.

Through the Ministry of Agriculture, led by Professor Agibaev A.Z., R & D is carried out "registration and testing of plant protection products on the territory of Kazakhstan", the results of which are introduced in the academic disciplines specialty "Plant Protection and Quarantine": chemical plant protection, biological plant protection, methodology of scientific experiment.

The strong side of the EP are:

- Coherence of EP with national policies in the field of education, science and innovation development;
- The adequacy of the plan for development of EP available resources;
- Presence-oriented students, employees and other stakeholders of the system of information and feedback;
- A valid certified quality management system;
- The presence of a well-functioning mechanism of management education program with the help of electronic document management system;
- Compliance with the priorities of scientific research implemented by the Faculty of EP, the national policy in the sphere of education, science and innovation.

A weak side of the EP is:

- insufficient involvement of the discussion of the educational process of the industrial organizations of employers;
- Lack of cooperation with other foreign universities implementing similar programs.

The Commission recommends:

- To enhance cooperation with foreign universities implementing similar educational programs;
- To increase the employers' group involved in the formation of EP;
- Establish a mechanism for the participation of employers in the development of EP.

The Commission notes that the 21 criteria of the standard university has a strong position on 16 criteria - satisfactory position.

2. Standard 1. "The specifics of the educational program"

Educational programs 5B081100 / 6M081100 / 6D081100 - Plant protection and quarantine, 5B060800 / 6M060800 / 6D060800 - Ecology compiled on the basis of SCES of RK respective specialities, SCES of RK. Higher education. Undergraduate, SCES of RK. Postgraduate education. Master. Doctoral (Government Resolution "On approval of the state compulsory standards of appropriate levels of education" from August 23, 2012, № 1080); model curriculum (Approved by the Order of Acting Minister of Education and Science 16, August, 2013).

The content of accredited educational programs are specifically designed to meet the requirements of scientific, theoretical and practical areas of professional and social competence. Working curriculum contains all the established by standards of education and by the SAP of practice and the amount of time for their accordance conduct.

According to educational programs, students have the opportunity to continue their education in the Master's degree in 6M0811000 - Plant protection and quarantine, 6M060800 - Ecology; Doctorate on specialities 6D081100 - Plant protection and quarantine, 6D060800 - Ecology.

Accredited educational programs provide for the construction of individual educational path, taking into account the personal needs and capabilities of students. Freedom of choice is realized through representation of disciplines learner catalog of elective disciplines in choosing the trajectory study of the course. Manual of EP provides equal opportunity to study, including, regardless of the language of instruction on the formation of individual educational program aimed at the development of professional competencies. Promotion of students and graduates of the educational path of their achievements monitored in the existing monitoring system.

In order to exercise control over the educational process and the implementation of the curriculum studying at the University has a system of intra-university control (electronic magazine grading, register of work of the teacher). Upon receipt of studying in final control evaluation "unsatisfactory" for the discipline it is not counted. The student who does not agree with the evaluation of the examination, it can appeal. A special commission of qualified teachers of the department is considering an appeal.

Regular study of the requirements of employers of Almaty and adjacent areas to determine the adequacy of the content of basic education programs. Employers, both active and stakeholders are also involved in providing bases and organization of students, masters and doctorals. Realization of educational programs master and doctoral closely integrated with the work of research institutes on the respective specialities.

The educational program includes the components needed for the development of the intellectual, social, personal, academic and professional competencies of bachelors. These components contain mandatory and elective subjects profiling cycle. The educational program of magistracy and doctoral studies are available in educational, scientific, professional and practical components of the practical part of the EP is realized through laboratory and practical classes, educational and industrial practices of students.

Accredited educational programs are provided with a sufficient amount of base practices. In educational programs of "Ecology" speciality concluded 11 contracts with enterprises and institutions, which are the bases of practice, on EP speciality "Protection and Quarantine of Plants" - 55 contracts (Kulmanbetova S.B., Auelbekova J.A., Tleubergenova S.K., Bakenova J.V., Sybanbaeva M.A. Katalog database practices. - Almaty, 2015). As databases are used in practice as research (the RSE "Institute of Botany," the RSE "Sairam-Ugam National Park" and others.) And educational institutions (Talgar College of Agribusiness and Management, and others.) And industrial enterprises (SUE ON "Gorvodokanal" PCG Versatile communal agricultural enterprise "Tole Bi" and others.).

It should be noted the continuity of the content of educational programs at different levels (Bachelor - Master - Doctorate), including: compliance with the logic of academic disciplines relationship, consistency and continuity. The education program been respected the balance between theoretical and practical-oriented subjects. Implemented by EP more than 50% identical to those of the Kazakh Agrarian University. S.Seifullin and West Kazakhstan agrarian-technical University after Zhangirhan.

Program of basic and majors include modern achievements of science, engineering and technology management in the direction of preparation.

On the recommendation of the employer Akkazieva O.S., head of the Department of Ecology in

Almaty, in the EP 5B060800 - Ecology in 2015 introduced educational disciplines "Environmental Monitoring" and "Geoecology", on the recommendation of the employer Sadanova A.K., Director of the Institute of Microbiology and Virology in EP 6M060800 - Ecology introduced a training course "Evaluation the impact of agriculture projects on the environment," on the recommendation of the employer Tulekbayeva E.T., General Director of the Kazakh Research Institute of Ecology and Climate, introduced the subject "Research Methods". The EP 6D060800 - on the recommendation of Environment Sitbaeva G.T. introduced the subject "green technology and renewable resources", "Resource-saving technologies in agrosystems" (Minutes of the meeting of the Ecology Department №7 from 02.26.2015).

Members of the commission were held with Faculty, employers, graduates of different years and students of different courses. Employers in the meeting were Sagitov A.O., S.K. Akhanov, Aliyev K.I., Sarbaev A.T., Tulekbaev E.T., Sadanov A.K., Akkoziev O.S. They gave a generally positive evaluation of the level of training students, trainees and graduates. At the same time, employers and graduates encouraged to improve the quality of language training, to produce graduates with the required certificate ICFE; improve students' independent work; do not use in the final state certification of graduates as a means of evaluation tests; in the EP of "Ecology" speciality to include the discipline-oriented knowledge of the legal documents in the field of ecology; improve the practical orientation of training bachelors.

From alumni attended in "Plant Protection and Quarantine": Bekbergenov E.B., Naymanbaeva B., Madenova A.K., Baybusenov K., Bashkaraev N.A., Kushtanov B.A., A.A. Nurekeev, Elmuratova B.K., Umiralieva ZH.Z.; specialty "Ecology": Makeev D.R., Duysenbek J., J. Seydazimov, Egemberdieva B.K., Kuanyshova S.Z., Kuandykova E.M., Daulbaev A.N., Shamekova M.H., Kryldakov R.V. Graduates told that communicate with the university, with teachers graduating departments have been able to realize themselves in the profession through knowledge gained at the university, expressed satisfaction with his position, career growth.

Interviewing of the Faculty showed that they are free to orient in the content and structure of the EP, the questions of the expert committee responsible and meaningful arguments. In general, teachers expressed satisfaction with the current system of differentiated pay, the state material-technical base as a whole; but at the same time they noted the objective difficulties associated with the implementation of innovative educational technologies, and is virtually impossible to young teachers to occupy high positions in the ranking, along with experienced teachers.

Assessment of the quality of educational programs was based on a review of working curricula, catalog elective disciplines, UMKD, questioning students and undergraduates, faculty, attendance, library, dormitories.

Questioning of students attending classes analysis shows that in the learning process are regularly used active forms and methods of employment, as well as information and communication, and other networking technologies.

Lecturer in "Plant Protection and Quarantine," "Ecology" have their own development in the field of teaching methodology of disciplines accredited by EP. For example, in 2015 it published a teaching aid Suleimenov N.S., Mahamedova B.J., M.A. Sybanbaeva, "Guidelines for the implementation of interactive methods of teaching undergraduates on discipline" theory of the biosphere, noosphere "for a speciality 6M060800-Ecology.

The Faculty producing departments made methodical support of independent work, educational and industrial practice, preparation of diploma dissertations and students.

The survey showed satisfaction with the vast majority of students the quality of educational services provided.

80.4% of students noted the complete satisfaction of existing training resources of the university.

79.7% of the students are completely satisfied with the teaching methods in general.

81% of students are fully satisfied with the quality of teaching.

79.1% of the students are completely satisfied with the overall quality of educational programs.

The strong side of the EP are:

- continuity, continuity and coherence at different levels of EP, EP, and that the content of the planned level of the learning outcomes of study, the presence of the content of disciplines of professional context;

- The presence of the developed models of the graduate education program, including knowledge, skills, competencies and personal qualities;
 - Involvement in the implementation of EP and development of scientific and methodological support of EP of foreign scientists;
 - The possibility of building alternative educational trajectories in the EP of a magistracy and doctoral regardless of language learning;
 - The presence of individual academic assistance and counseling students on the educational process, will enable the individual educational program;
 - Sufficient (about 50%) to harmonize the content of educational programs to educational programs leading Kazakh universities;
- EP weak side are:
- Insufficient developed the mechanism of objective, accurate and exhaustive evaluation of formation of professional competence of students;
 - The lack of formation of professional competencies of undergraduate students;

The Commission recommends:

- to develop evaluation funds of tools that allow to give an objective, accurate and comprehensive evaluation of formation of professional competence of students in accordance with the level of training;
- To conduct systematic work on the introduction in the educational process of innovative teaching methods;
- To increase the focus on undergraduate education programs formation of professional competence of students with regard to their personal characteristics.

The Commission notes that on 7 criteria of the standard university has a strong position on 24 criteria - satisfactory position, and 2 criteria require improvement.

3. Standard "The Faculty and teaching effectiveness"

The faculty (the Faculty) formed in accordance with the regulations laid down by the law of the Republic of Kazakhstan "On Education" and the decision of the Government of the Republic of Kazakhstan №499 «Standard rules of organizations of higher and postgraduate education" from 05.17.2013.

Indicators on the qualitative and quantitative composition of the faculty confirm the presence of human capacity needed for the implementation of educational programs.

By profession 5B060800 / 6M060800 / 6D060800 - Ecology training process provides 20 full-time teachers and one part-time worker, including 4 doctors of sciences, 8 candidates of sciences, 1 doctor of PhD in the field corresponding implemented by EP. The average for the last three years the share of faculty with academic degrees and titles is 72%. The average age of Faculty over the past 3 years is 46.

100% of teachers implementing the EP 5B060800 / 6M060800 / 6D060800 - Ecology involved in research on the specialty on a regular basis.

The EP 5B081100 / 6M081100 / 6D081100 - Plant protection and quarantine implement 28 teachers, 5 and 5 part-time teachers on an hourly basis, including 2 doctors of sciences, 6 candidates of sciences. Average percent of degree of the Faculty implementing the EP for the last 3 years was 56.5%, the average age - 54.

All teachers have specialized basic education. Lecturing allowed leading teachers who have extensive experience in research and teaching and practice. Professional experience and skill level of Faculty of the department, working closely with educational institutions allow to build up the quality of educational programs and organize academic process.

The site has information about university personnel potential, providing the EP of all specialities.

Selection of teaching staff is carried out on the basis of the Rules of competitive replacement faculty positions as required by job descriptions, which are regulated by the QMS 2.03-2007.

The university provides the professional development of teachers, which is carried out through a variety of training in other scientific educational institutions of Kazakhstan and foreign countries. In the last three years have been overseas training instructor 3 Department of Ecology (Suleimenov N.S. - Bulgaria (Moscow Rus); Usen K. - China (Urumchi); Anarbekova G.D. - Bulgaria (Mr. Plovdiv) and 2 lecturers of plant Protection and Quarantine (Dutbaev E.B. - England (Cambridge); Akyzbekova R.A. - in Slovakia (Nitra).

The university conducts purposeful work on training and retraining of the Faculty. A special feature is the acquisition of the academic Faculty continuity, ie the preparation of their own staff through training in a magistracy, PhD doctoral and their involvement in research and educational activities.

For the implementation of EP are attracted foreign scientists. Over the past 3 years to lecture on accredited of EP invited 14 foreign scientists: Romel Armensin, Dr. PhD (Philippines, University of the Visayas); Bobrenko I.A., doctor of agricultural , Professor (Russia, Omsk, OmGAU); Zhirnov V.V., Doctor s.-h.n., professor (Ukraine, city of Plovdiv, NC Life and Environmental Sciences); B. Bojinov, Dr. PhD (Bulgaria, Agricultural University); Holec J. (Czech Republic, Prague, Prague University of Life Sciences), Michael Brodie, Dr. PhD, (USA), David Stopar (Slovenia, University of Ljubljana), Havnagel Livente, Dr. PhD, Professor (Hungary, István University), Filipova Daisy, Professor (Bulgaria, Rusen A. Kanchev University), Betty Natalia Fritratyan, Dr. PhD (Indonesia University Padzhatzharan), Bozena Lozovichka (Bialystok, Poland), silly V.V., Doctor of Biology, Professor (Russia, Novosibirsk, ISiE SB RAS) Vetek Gabor, PhD Dr. (Hungary, Budapest, Budapest University "Gorvinus"), M. Babadust Professor (USA, University of Illinois), Amer Dababat Doctor (Turkey, International Center for Maize and Wheat Improvement CIMMYT).

Moral status and psychological climate in the departments is characterized by its stability, creative attitude to their duties. The level of labor and executive discipline is high.

During the EEC work was conducted surveys of teachers, which was attended by just 66 people, including 29 faculty Agrobiology and phytosanitary. The questionnaire contained questions about the educational process, planning and implementation of EP, features educational environment, including training and development of the creative potential of the Faculty and Faculty satisfaction.

42.4% of the Faculty expressed satisfaction with the content of a very good educational programs. 92.5% of the Faculty expressed satisfaction with involving of the Faculty in decision-making and strategic management.

The university ensures the completeness and adequacy of individual planning of the Faculty for all activities, monitoring the effectiveness and efficiency of individual plans. The workload is reflected in the plans of individual teachers, which shows the educational, methodical, scientific work.

The University monitors the activities of the Faculty, a comprehensive evaluation of the quality of teaching. The university set clear criteria for evaluating the Faculty. Evaluation of Faculty competence through certification organization intra-high, inter-company visits and systematic surveys of students, which allows for constant and continuous monitoring and evaluation of teaching effectiveness. Also, monitor the activities of the Faculty is systematically carried out by conducting the survey students and conduct a survey of employers. Evaluation of competence of teachers and comprehensive evaluation of the quality of teaching is carried out at the chair meetings, of faculty in each semester.

The workload includes teacher training, teaching, research, organizational and methodical, educational work, as well as training activities in a professional environment. The average teaching load PhDs 550, assistants and graduate students - 600 hours per year. Differentiated load depends on the category of Faculty - assistant, senior lecturer, associate professor. Each teacher fills out an

individual work plan, which is considered at a meeting of the department and approved by the head of the department. Report on implementation of individual plan of teachers be heard at a meeting of chairs of 2 times a year (in January for the first half-year and June - for the year). The decision on the execution / non-fulfillment / partial fulfillment of the teacher work plan adopted jointly. Individual plans for teachers, a report on the activities of the department are controlled by EMU of the University. Teachers of the department keep personalized documentation qualitatively, correctly and timely fill individual plans for all sections.

Mechanisms to promote the professional and personal development of faculty and staff are rating system of the Faculty ("Regulation of rating system of evaluation of the Faculty / departments / faculties of KazNAU" approved by the Academic Council of KazNAU Minute №7 from 01.19.2015). Performance rating of the main activities include: educational works (the proportion is 35% of total points); research, innovation, and international activities (50% of total points); social and educational work (15% of the total points). However, in an interview with members of the Commission of the Faculty of producing departments have noted the lack of objectivity of the current system of rating evaluation activity of teachers, due to the fact that young teachers can not get enough points. When the survey only 45.5% the faculty noted very good satisfaction level of stimulation and attraction of young specialists to the educational process.

The faculty is used in the teaching of innovative technology, PC users are sovereign, have the skills to work in the Internet, e-mail and other information technology. Auditorium chairs are equipped with interactive whiteboards to conduct lectures on the latest technology, there are portable multimedia installation.

The faculty in the field of specialization accredited programs are involved in the scientific and practical activities. During the reporting period, the teachers performed a study on eight themes of the target and grant funding KH MES. The findings were reflected in the 6 publications (for 2012-2014.) In journals with high impact-factor.

External audit noted a sufficient number of faculty publications, implementing the EP in top journals, including in journals recommended by HAC of MES of RK and publications indexed in international databases (Web of Science of Thomson Reuters, Scopus Publishing Corporation Elsevier).

Teachers of the department implementing the EP, actively participate in the social life of the region and the country.

In general, faculty, providing training in accredited specialties is high professional, scientific and pedagogical level that corresponds to the full extent of the goals and objectives in the framework of vocational training and educational programs specialty. University supports young teachers through the provision of hostels, financial assistance and other forms of social assistance aimed at scientific training at the expense of the university, rewarding initiative and creative young teachers. The university monitors satisfaction of the faculty by working conditions, the quality of training of students, the educational infrastructure.

The strong side of the EP are:

- the accordance of the faculty with the qualification requirements, the level and specific of EP, the existence of systematic training system;
- Accessibility to the public of information of the faculty, placing information about the staff of the department on the site;
- The completeness and adequacy of individual planning of the faculty for all activities, monitoring the activities of the faculty;
- Active participation in the faculty research work;
- Availability of mechanisms to encourage personal and professional development of faculty and staff, monitoring satisfaction of the faculty;

Attraction to the implementation of EP scholars and public figures of Kazakhstan and foreign countries;

- The active participation of faculty in social life of the region and the country.

EP weak side are:

- lack of academic mobility of the faculty implementing the EP;
- Insufficient developed rating system of the faculty activities.

The Commission recommends:

- To work on the development of academic mobility of the faculty;
- Rating activities of the faculty implement differentiated according to various categories of the faculty;
- Establish an effective system of support and targeted development of young teachers.

The Commission notes that four of the criteria of the standard university has a strong position on 17 criteria - satisfactory position.

4. Standard «Learners»

Contingent is formed by the reception among the students best prepared for training in high school, consciously chosen profession, received the required number of points according to the results of UNT of graduates of secondary schools, CTA of graduates of secondary education on the basis of state order (grants) and on a commercial basis, and professionals with diplomas for the second higher education on the basis of interviews.

An analysis of the dynamics of the number of students shows a decline in the number of students enrolled in the speciality "Ecology" for the last 2 years: on the EP 5B060800 - 27.1%; EP 5M060800 - 16.6%; EP 5B060800 - 50% of EP 6M081100 - Plant Protection and Quarantine - 21%; to increase the contingent of students majoring in "Plant Protection and Quarantine": 5B081100 of EP - 212% of EP 6D081100 - 366%. The marked decline can be explained by the redistribution of contingent grants to other specialties in accordance with the national priorities of education and science, reduced the number of students enrolled on a fee basis because of higher tuition fees at the university and reducing the solvency of the population. Height contingent enrolled in post-graduate programs is due to the increase in the number of allocated government grants. This indicates on the demand of accredited of EP.

Table 1. Contingent of learners on accredited programs

| Academic year | Form of study | Total students | Students on grant | Learners on a fee basis | Learners on the state language |
|--|-------------------|----------------|-------------------|-------------------------|--------------------------------|
| 5B060800 – Ecology | | | | | |
| 2012/2013 | Full time | 71 | 14 | 57 | 71 |
| | Distance learning | - | - | - | - |
| | total | 71 | 14 | 57 | 71 |
| 2013/2014 | Full time | 67 | 17 | 50 | 67 |
| | Distance learning | 3 | - | 3 | 3 |
| | Total | 70 | 17 | 53 | 70 |
| 2014/2015 | Full time | 50 | 14 | 36 | 50 |
| | Distance learning | 1 | - | 1 | 1 |
| | total | 51 | 14 | 37 | 51 |
| 6M060800 – Ecology | | | | | |
| 2012/2013 | Full time | 12 | 12 | - | - |
| 2013/2014 | Full time | 12 | 12 | - | - |
| 2014/2015 | Full time | 14 | 14 | - | - |
| 6D060800 – Ecology | | | | | |
| 2012/2013 | Full time | 4 | 4 | - | - |
| 2013/2014 | Full time | 3 | 3 | - | - |
| 2014/2015 | Full time | 2 | 2 | - | - |
| EP 5B081100 – Plant protection and quarantine | | | | | |
| 2012/2013 | Full time | 71 | 71 | - | - |
| | Distance learning | 5 | - | 5 | - |
| | total | 76 | 71 | 5 | - |
| 2013/2014 | Full time | 112 | 97 | 15 | - |
| | Distance learning | 3 | - | 3 | - |

| | | | | | |
|--|-------------------|------------|------------|-----------|----------|
| | total | 115 | 97 | 18 | - |
| 2014/2015 | Full time | 149 | 131 | 18 | - |
| | Distance learning | 2 | - | 2 | - |
| | total | 151 | 131 | 20 | - |
| EP 6M081100 – Plant protection and quarantine | | | | | |
| 2012/2013 | Full time | 14 | 14 | 0 | 0 |
| 2013/2014 | Full time | 16 | 16 | 0 | 0 |
| 2014/2015 | Full time | 17 | 17 | 0 | 0 |
| EP 6D081100 - Plant protection and quarantine | | | | | |
| 2012/2013 | Full time | 3 | 3 | 0 | 0 |
| 2013/2014 | Full time | 6 | 6 | 0 | 0 |
| 2014/2015 | Full time | 11 | 11 | 0 | 0 |

Career Guidance University is based on the approved plans career guidance university deans and faculties, and coordinated by the Department of admission, and employment practices. In addition to the JINR career guidance activities and dissemination of information on the conditions and directions of reception of applicants through the media, printed materials, etc. teachers of the department, together with students and undergraduates on-site visits to the schools of the city, nearby towns and districts.

The university estimates the correspondence between the admission process and the subsequent progress of students as a result of examinations, the analysis of the adaptation period students.

From the first day in the faculty to adapt to students held meetings with the dean of the faculty, advisors, during which they receive in aid guide - a guide containing comprehensive information about the university and the educational process. Directory - Guide is available in electronic form on the official website (www.kaznau.kz). In order to avoid possible problems with the students of the University of preventive action taken. According to the Quality Management System, implemented at the University, which is part of information for the analysis of non-compliance and the development of preventive actions are the results of internal audits, the results of evaluation of training activities, and regulations governing government and industry documents, evaluation of customer satisfaction.

On the basis of incoming information revealed discrepancies in the educational process and analyze their causes. Important role in this played by curators. Work curator assumes a personal form of educational methods (discussions, lectures, meetings with authoritative experts, with the best teachers, etc.). In order to prevent possible problems with students being taken preventive actions at different levels: the chair, the faculty, the university.

In order to ensure transparency and accessibility of the educational process is functioning educational portal "Electronic rectorate", Electronic library where students can see the results of the evaluation of training activities, regulations and regulatory documents to get acquainted with EMCD, content of lectures, etc., as well as have the ability to reverse connection. There is the student Council, whose main job is to conduct discussions, round tables, participation in public life of the university, city, region.

The university job fairs are held every year, invited the first business leaders to further work on employment. Employment of graduates is on average 83% - on a speciality "Ecology", 97% - in "Plant Protection and Quarantine").

Research activities are organized by undergraduate students clubs (at the Department of Plant Protection and Quarantine work circles in chemistry and phytosanitary, at the Department of Ecology Action circle "Environmentalist").

Each year, students enrolled in the speciality "Protection and Quarantine of Plants" took prizes in the republican subject Olympiad.

About 30% of student research papers submitted at scientific conferences and competitions of various levels win prizes.

In KazNAU create conditions for full implementation of educational, personal and career

needs of students. All structural units in varying degrees, are included in the provision of educational and social services to the student. On the implementation of social and personal needs of students directed the Institute to them. O.Suleymenov on educational work, the Center for Development of International Cooperation and multilingual education, the Committee on Youth, Sports Club, and others.

Monitoring of satisfaction of students of the university in general and the individual services takes the form of an anonymous questionnaire on all the educational services (first of all take into account the competence of the faculty), also takes into account the quality of teaching, etc. ED Questioning of students once a year, upon completion of the training load. The survey results are considered at a meeting of the department and take appropriate measures to eliminate or promote.

During the audit as a result of the survey it was noted that the overall level of satisfaction with the university students is very high. For example, the availability of counseling for personal problems completely satisfied 79.1% 81% of students are completely satisfied with informing students about the courses, training programs and academic degree, 83.5% of students noted satisfaction with the availability of health services, 89.5% of the students are fully satisfied with the quality of services provided by libraries and reading rooms.

The presence in the Treasury about more than 100 contracts, memorandums and agreements with foreign and national organizations on cooperation enables students to be trained in the educational program of external and internal academic mobility. Since 2011 training abroad held 15 students enrolled in the specialty "Ecology".

The strong side of the EP are:

Academic mobility of students, a mechanism for the recognition of the results of academic mobility;

- Monitoring students' satisfaction with educational programs, the activities of the university as a whole and individual services in particular;

- Involvement of students in the activities of voluntary student organizations;

- Involvement of students in the creative work of the research groups;

- The presence of the waste monitoring system of employment of graduates of professional activity;

- The possibility of continuing education on educational programs of postgraduate education;

- The positive dynamics of the number of students for master and doctoral of EP.

EP weak side are:

- lack of professional certification in the field of specialization of the students in the learning process,.

The Commission recommends:

- Develop programs of additional education and provide opportunities for professional certification in the field of specialization of students in the learning process.

The Commission notes that on 3 criteria of the standard university has a strong position on 11 criteria - satisfactory, 1 criterion involves improvement

5. Standard "The resources available to educational programs"

During the Commission is satisfied there is sufficient material and technical base for the support of accredited educational programs and the implementation of the mission, goals and objectives of RSE of EMR "Kazakh National Agrarian University." The University has the necessary classroom fund their own dormitory, computer labs, methodical offices, educational laboratories, for equipment that meet the objectives of accredited of EP.

The educational process has training facilities providing training in accordance with the requirements of the state compulsory standards, including 3 training, teaching and research 1, 1 R & D lab, 1 multimedia classrooms, 1 office for doctoral PhD. Classrooms and other teaching and laboratory facilities are equipped with appropriate furniture, a necessary economic inventory and equipment. These laboratories have special equipment, contributing to the formation of the necessary research and practical skills: for example, photoelectrocolorimeter, polarimeters,

refractometers, field spectrophotometer, pH meter, ionomers, analytical and laboratory balances, centrifuges, rotary homogenizers, laboratory mills, calcium-meters, muffle furnace, ovens, distillation, laminar flow hood, an oven, thermostat, electronic balance, magnetic stirrer, water bath, fume hood, laboratory glassware, office equipment, etc.

Laboratories are used in the study of special subjects. Each laboratory provided a passport, which indicated the appointment of existing equipment, with personal and fire protection, computer equipment, stands, laboratories and so on.

As accredited Subdivision 1 uses a computer class in the educational building, 1 computer class in dormitory, 3 multimedia classrooms equipped with 10 computers each.

Students enrolled in the course 1, adviser provided guide, the academic calendar. In addition, in the stands and on the website of the University provides detailed information on the structure of the university, the organization of educational process and educational programs.

Training materials, tools, educational literature available for all students. The volume of the book fund educational, methodical and scientific literature on disciplines on specialties is generally consistent with the standards MES. However, the provision of educational literature on Kazakh language behind the provision in Russian.

The university has modern information and communication technology and library resources to ensure the full needs of teaching staff, management personnel and students. Key elements related to planning, organization of educational process at the university, are automated.

The scientific library comprises 5 departments: service to readers; scientific and bibliographic department; Department of methodical work, office automation; Department of acquisition and folder organization. Service is conducted on 2 readers subscriptions and 12 reading rooms. 6 reading rooms located in the university educational buildings and 6 reading rooms are located in the homes of students (student's home №1 «Bolashak" students House №2 «Zhas Orda" House "Undergraduates» №4, students home №5 «Zhalyn" House; Students №9 «Akbotā" House of students №10 «Ak қауып"). Allocate a separate specialized reading rooms: Science reading room, reading room of periodicals, electronic reading room. Reading rooms are equipped with printers and multi-purpose devices. All reading rooms are 116 computers for electronic catalogs and full-text databases of scientific libraries and foreign remote databases on the Internet. Electronic Library "- it provides fully meet the needs of students and faculty in the modern information and educational resources. The volume of the electronic catalog of 463,506 records and full texts. In the scientific library of the University provided permanent access to global information resources "Thomson Reuters, Springer, Elsevier" to databases of the Association of Universities of Kazakhstan, the Republican Interuniversity Electronic Library (RMEB) www.rmeb.kz, KazNEB www.kazneb.kz, as well as a constantly updated reference and legal system "Legal adviser".

As implemented of EP has several research laboratories, which are carried out on the basis of scientific research. Each laboratory has a development program also reflects the target indicators, sources and amounts of funding.

In KazNAU acts "Kazakhstan-Japan Innovation Center" (KYAITS), consisting of a laboratory of food and environmental safety, veterinary research and diagnostic laboratory, the laboratory evaluation of water quality and safety radiobiological laboratory. Works Office technology commercialization. Ready to run educational and scientific research laboratory of phytosanitary diagnostics.

Information portal of the university is periodically updated. The website contains detailed information on the faculty for all accredited programs. Portfolio teacher is updated in real-time from the system "Electronic rector" and includes personnel information, a list of publications, courses and presentations of training courses for each full-time teacher. Since 2013, teachers place their articles in full-text mode.

At the same time when you visit the departments and interviews with faculty revealed that the growing numbers of undergraduate classroom fund the Department of Plant Protection and Quarantine is limited, which may prevent the successful implementation of EP

However, the information portal of the university no external publications on the implementation of the EP.

The strengths of the EP are:

- the presence of professionally-oriented learning environment characterized by technological support, academic support accessibility and sufficient security of EP classroom fund, equipment, library and information resources (including access to electronic resources of Kazakhstan scientific electronic library (KazNEB) and international databases (Elsevier, Thomson Reuters, and others.);
- Presence on the web-site information describing the EP, the presence of a structured, organized information on the subjects of the curriculum accredited by EP;
- Access to the students personalized online resources to assist in vocational guidance;
- Compliance with the infrastructure used in the implementation of the EP, its specifics.

EP weaknesses are:

- insufficient number of educational and methodical literature in Kazakh language;
- Lack of classroom fund for the EP "Plant Protection and Quarantine";
- Insufficient number of external publications on the implementation of the EP on the portal of the university.

The Commission recommends:

- Increase the availability of EP literature in the national language;
- Increase the number of classrooms for the EP "Plant Protection and Quarantine" (not less than 3 classrooms for laboratory workshops and 1st lecture to be equipped with multimedia equipment);
- To be represented on the portal of the University external publications (links) on the implementation of the EP.

The Commission notes that on 8 criteria of the standard university has a strong position on 23 criteria - satisfactory position for criterion 1 - requires improvement.

6. The standards in the context of individual specialities

The contents of all disciplines 5B081100 / 6M081100 / 6D081100 - Plant Protection and Quarantine and 5B060800 / 6M060800 / 6D060800 - Ecology in one way or another contain elements of natural science, which is reflected in the curriculum and EMCD.

Students and graduate students demonstrate competence in the field of information technology, the use of multimedia resources, as evidenced by the use of electronic document management system, a demonstration of the use of information and communication technologies in attendance members of the WEC

Within the EP focuses on various types of practices. Among the teachers implementing of EP 50% of teachers and practitioners.

EP accredited disciplines and include measures aimed at getting practical skills and experience in the specialty as a whole and in particular the majors, incl .:

- Excursions to the enterprises in the area of specialization (Botanical Garden, Institute of Zoology, Institute of Physiology, the Research Institute of Microbiology and Virology, Institute of Botany, and others.).

Accredited of EP broadly in line with the requirements of standards in the context of individual specialties.

The strong side of the EP are:

- availability of disciplines and events aimed at getting practical skills and experience in the specialty as a whole and in particular majors.

EP weak side are:

- insufficient application of statistical analysis to assess the reliability of the results of scientific research.

The Commission recommends:

- To include in the EP special educational disciplines aimed at studying the methods of statistical processing of natural data.

The Commission notes that on 3 criteria of the standard university occupies a satisfactory position.

V. RECOMMENDATIONS TO IMPROVE THE ACTIVITY OF EDUCATIONAL PROGRAMMES

- 1) To develop cooperation with leading foreign universities for the development of joint educational programs, joint research, the organization of scientific training of students, teachers and university staff; to develop internal and external academic mobility of faculty.
- 2) To improve the mechanism of participation of different categories of stakeholders in the management of EP; ensure the representativeness of employers' participation in the formation of educational programs.
- 4) To improve the mechanism of rating activity, taking into account categories of teaching staff of the faculty; establish an effective system of support and targeted development of young teachers.
- 5) Develop a program of additional education and provide opportunities for professional certification in the field of specialization of students in the learning process.
- 6) Improving the educational environment: conduct systematic work on implementation of the EP innovative educational technologies; EP providing literature in the foreign language; expansion of classroom fund.
- 7) To conduct systematic work on the collection of external publications, educational programs, and placement on a portal of the university.

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RECOMMENDATION FOR ACCREDITATION COUNCIL

The members of the external expert commission came to a unanimous opinion that the educational program "5B081100 - Plant protection and quarantine», «6M081100 - Plant protection and quarantine», «6D081100 - Plant Protection and Quarantine," "5B060800 - Ecology», «6M060800 - Ecology" and «6D060800 - Environment", implemented Kazakh National Agrarian University can be accredited for 5 years.

Chairman: _____ Bakushev Askar Asilgalievich

Members of the commission:

_____ Salnikova Elmira
_____ Levykh Alyona Uriyevna
_____ Ibadullaeva Saltanat Zharylkasymovna
_____ Stybaev Gam Zhasymbekovich
_____ Sattybaeva Zeinegul Dzhumabekovna
_____ Aryngazin Kapar Shakimovich
_____ Turebaeva Klara Zhamanbaevna
_____ Yeszhanov Galikhan Serdalinovich
_____ Ualkhanov Baizhan Nurbaevich
_____ Saparov Galymzhan Abdullaevich
_____ Mekesov Shamshinur Askaruly
_____ Kanapiyanov Timur Yerbolatovich