



The Ukrainian Institute for Plant Variety Examination (UIPVE), established on the basis of the Resolution of the Cabinet of Ministers of

Ukraine dated 01.06.2002 No. 714, is a basic research institution for carrying out a complex of research on the scientific and technical examination of plant varieties in Ukraine, which verifies their preservation and is authorized by the Competent Authority to carry out plot (soil) and laboratory variety control, and also provides the activities of the representative of Ukraine in the International Union for the Protection of New Varieties of Plants (UPOV). UIPVE belongs to the sphere of management of the Ministry of Agrarian Policy and Food of Ukraine. The activities of the Ukrainian Institute of Plant Varieties Examination and its affiliates are aimed at the implementation of state policy on the formation of varietal resources for ensuring the proper performance of functions for plant variety rights protection in accordance with the current legislation of Ukraine and the norms of the International Convention for the Protection of New Varieties of Plants.

Ukrainian Institute for Plant Variety Examination since 2004 has been included in the State Register of State-supported scientific institutions (certificate Series DR No. 03092 dated June 17, 2022).



Main areas of activity:

- 1) implementation of state scientific and technical examination of plant varieties;
- 2) participation in the formation and implementation of scientific, technical, technological and innovation policy in the sphere of agro-industrial complex, plant breeders' rights protection, certification of seeds and planting material;
- 3) scientific and methodological support of the state scientific and technical examination of plant varieties; development of test guidelines for conducting the qualification examination research of plant varieties, post-registration and pre-registration variety studying, post-control tests of seed lots, as well as other types of state scientific and technical examination of plant varieties;
- 4) conducting of applied research works on scientific and technical examination of plant varieties and variety certification;
- 5) scientific and technical, informational and publishing activities in the sphere of plant varieties rights protection, variety study and variety certification;
- 6) international activities within the cooperation with examination offices, international organisations.



Organizational structure of the Ukrainian Institute for Plant Variety Examination

Management

Methodological Commission

Scientific Research
Department on the Formation
of Varietal Resources

Scientific Council

Department of Varieties
Examination
for Distinctness, Uniformity
and Stability

Council the Young Scientists

Department
of Examination
on Suitability for
Dissemination

Laboratory of Molecular
Genetic Analysis

Laboratory of Quality
Indicators of Plant Varieties

Department
of Scientific
and Organizational Work

Department of Scientific
and Technical Information

Legal
Department

Staff and Document
Management Department

Department
of accounting and financial
support

Internal Audit
Department

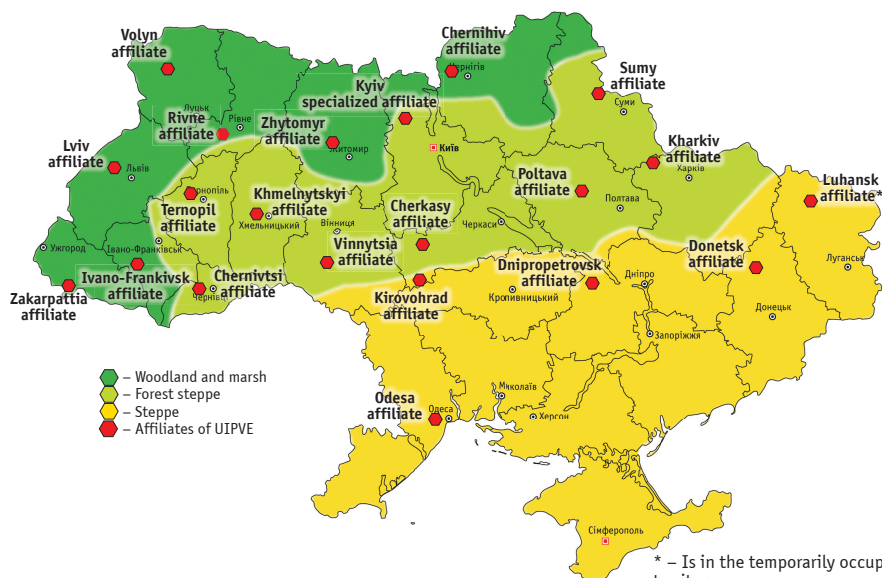
Department
of Labor Protection

Assistant
Director

Exploitative
and Technical Department

Affiliates

<http://sops.gov.ua/structure>



Affiliates of UIPVE:

Vinnytsia affiliate of UIPVE
Volyn affiliate of the UIPVE
Dnipropetrovsk affiliate of UIPVE
Donetsk affiliate of UIPVE
Zhytomyr affiliate of UIPVE
Zakarpattia affiliate of UIPVE
Ivano-Frankivsk affiliate of UIPVE
Kyiv specialized affiliate of UIPVE
Kirovohrad affiliate of UIPVE
Odesa affiliate of UIPVE

Lviv affiliate of UIPVE
Poltava affiliate of the UIPVE
Rivne affiliate of UIPVE
Sumy affiliate of UIPVE
Ternopil affiliate of UIPVE
Kharkiv affiliate of UIPVE
Khmelnytskyi affiliate of UIPVE
Cherkasy affiliate of UIPVE
Chernivtsi affiliate of UIPVE
Chernihiv affiliate of UIPVE

International activities of UIPVE is aimed at ensuring its integration into the world and European community, cooperation with other UPOV member countries in the field of plant variety rights protection, obtaining additional opportunities for accelerated development within the framework of European integration and studying foreign experience in organizing and conducting of plant varieties examination.

International cooperation

- 2021** The Action Plan in the examination sphere and plant variety rights protection of Ukrainian Institute for Plant Variety Examination and the Center for Plant Varieties Testing of the Republic of Poland for 2021–2025 was signed.
- 2023** A Memorandum of Cooperation was signed between the Ukrainian Institute for Plant Variety Examination (Ukraine) and the State Commission for of Plant Varieties Testing (Republic of Moldova)
- 2024** Participation in the international grant aid project from the Japanese government “Emergency Recovery Program” with the assistance of the Japan International Cooperation Agency (JICA)
A Memorandum of Understanding was signed between the Ukrainian Institute for Plant Variety Examination and the State Plant Protection Service of the Republic of Latvia.
Participation of the Ukrainian delegation in fifty-eighth ordinary session of the Council of the International Union for the Protection of New Varieties of Plants (UPOV).



UIPVE conducts:

- scientific and technical qualification examination of plant varieties for distinction, uniformity and stability (DUS test) and value for cultivation and use (VCU test);
- storage of official samples of plant varieties;
- pre-registration and post-registration study of plant varieties;
- verification of varietal characteristics preservation;
- post-control tests of seed lots;
- laboratory tests on the determination of technological, biochemical quality indicators of plant varieties and their molecular characteristics.

The Ukrainian Institute for Plant Variety Examination **proceed the application for variety, denomination examination, novelty examining** in accordance with the requirements of the Law of Ukraine “On the Protection of Rights to Plant Varieties”.

The procedure is maximally harmonized with international requirements in the plant variety rights protection sphere.

Exchange of information on submitted applications for plant varieties between member states of the International Union for the Protection of New Varieties of Plants (UPOV)

In compliance with the requirements of the International Convention for the Protection of New Varieties of Plants and the legislation, after the review of the variety application is completed, information about it is exchanged between UPOV member states.

Application information is prepared in a format recommended for submission to the PLUTO Plant Variety Database and agreed with the UPOV Bureau for all UPOV-States.

Examination of plant varieties for distinction, uniformity and stability (DUS)

The qualification examination has the status of scientific and technical and involves conducting a set of tests necessary for the preparation of variety descriptions. In particular, examinations on distinction, uniformity and stability, which is based on the research of morphological identification features of the applied varieties.

D The variety meets the condition **distinction**, if the characteristics clearly differ from any other variety of common knowledge at the time of the filing of the application.

U There is a variety **uniformity**, subject to the variation that may be expected from the particular features of its propagation, it is sufficiently uniform in its relevant characteristics.

S The variety is considered **stable**, if its relevant characteristics remain unchanged after repeated propagation or, in the case of a particular cycle of propagation, at the end of each such cycle.



Examination of plant varieties on suitability for dissemination in Ukraine (VCU)

During the qualification examination for the suitability of the variety for dissemination (VCU) on the basis of scientific-methodical and agro-technological requirements, field and laboratory studies are carried out to compare and study new varieties of plants. There are multi-faceted and comprehensive studies of varietal diversity according to economic and valuable indicators in different soil and climatic zones of Ukraine.



For the completeness of the comprehensive assessment, research is carried out to determine the frost-winter resistance of varieties of winter grain crops. Phytopathological field researches are carried out for the artificial infection of sunflower plants with one-year-old downy mildew, common corn with blistering powdery mildew, soft wheat of the winter development type with hard powdery mildew.

According to the results of the conducted research on the qualification examination of plant varieties (DUS, VCU), which has the status of scientific and technical, variety descriptions are formed for making a decision on the state registration (or refusal) of the variety and/or the plant variety rights to it.



UIPVE carries out plot (soil) and laboratory varietal control - confirmation of the varietal qualities of seeds in order to check the identification of the variety and varietal purity.

Plot (soil) varietal control- comparative evaluation of plants to establish the identity of the control sample with the standard in the conditions of the field trial.

UIPVE conducts **pre-registration varietal study** and takes into account its data for one independent vegetation cycle as the results of qualification examination.

Performs **post-registration varietal study** for the purpose of analyzing agricultural techniques, optimizing varietal composition for each soil-climatic zone, subzone or region.



Preservation of official samples of plant varieties

Official sample - planting material provided by the applicant for long-term storage in field storage and/or long-term storage.

A repository for long-term storage of official seed samples has been created on the basis of the State Service for the Protection of Plant Varieties Rights for compliance with UPOV requirements in 1997. It has been modernized, equipped with four long-term storage chambers, which have adjustable temperature and air humidity conditions and are equipped with mobile racks. The repository stores more than 20 thousand official samples of seed material belonging to 209 species of plants propagated by seeds.

There are more than 1,000 samples of varieties of 56 botanical taxa of perennial species and approximately 200 varieties of potatoes in the field storages at the designated research locations.



Scientific and methodical provision of plant varieties qualification examination

The scientific and methodological support of UIPVE activity is represented by test guidelines created by experts based on international recommendations (UPOV, CPVO, OECD) and national developments, involving leading scientific institutions of the National Academy of Agricultural Sciences and the National Academy of Sciences of Ukraine.

The test guidelines are the basis for carrying out a complex of field and laboratory scientific researches on plant varieties examination: for distinction, uniformity and stability; suitability of the variety for dissemination in Ukraine; implementation of pre-registration and post-registration varietal research, as well as plot (soil) and laboratory varietal control.

Compliance of varieties with the criteria of distinction, uniformity and stability is determined by 483 test guidelines covering 630 botanical taxa.

Scientific and technical examination on the suitability of varieties for dissemination in Ukraine is carried out according to national test guidelines, which regulate the general requirements for the examination; study of economic and valuable indicators suitability for dissemination of relevant botanical taxa, group of related taxa, genus, taking into account purpose of use and types of development; quality indicators of crop production; phytopathological studies for artificial infection of plant varieties.

The test guidelines are approved by the Methodological Commission and the Scientific Council of the UIPVE, and approved by the Ministry of Agrarian Policy and Food of Ukraine. They are periodically reviewed, improved, and new projects are developed.



Laboratory of quality indicators of plant varieties

Accredited for compliance with the requirements of DSTU ISO/IEC 17025:2019 «General requirements for the competence of testing and calibration laboratories» by the National Accreditation Agency of Ukraine, accreditation certificate No. 20257 dated December 24, 2021 (to replace the one issued on July 15, 2020 in connection with making changes).

The laboratory conducts:

- laboratory studies on the qualification examination of plant varieties for suitability for dissemination (determination of biochemical and technological indicators of the quality of agricultural crops).

Laboratory studies according to the scope of accreditation:

- determination of quality indicators of grain, leguminous, cereal, oilseed, vegetable crops and their processing products;

- determination of sowing qualities of grain, leguminous, oilseed, technical, vegetable, melon and fodder crops seeds;

- determination of the content of genetically modified organisms in material of plant origin.



Laboratory of molecular genetic analysis

In the modern laboratory of molecular genetic analysis of the Ukrainian Institute for Plant Variety Examination, seed and plant material are studied using the latest methods of molecular genetic analysis.

Main areas of research:

- analysis of plant varieties undergoing state qualification examination on DUS, with the involvement of molecular biological methods;

- assessment of genetic diversity of plants using DNA markers;

- determination of the degree of hybridity of corn and sunflower in accordance with ISO/TR 17623 and ISO/TR 17622;

- analysis of nucleic acids using capillary fragment analyzer;

- determination of varietal purity of seed lots and the degree of hybridity by electrophoresis of reserve proteins;

- determination of sowing qualities of seeds in accordance with current DSTU.



Automated information system of the UIPVE

The automated information system of the UIPVE (AIS UIPVE) was created to provide effective information support for the processes of performance of functional duties and management of the system of plant varieties examination, to achieve maximum transparency of processing applications for variety registration and to avoid possible corruption threats at its stages.

AIS UIPVE is built according to hybrid cloud technology, in the private part of which input, processing, storage and visualization of private data of UIPVE take place. In the public (external) part of the cloud, visualization of open data, open data from the private part of the cloud and processing of information from applicants are carried out.

«Applicant’s office» service office intended to display information to applicants and their representatives regarding the stages of passing the application for a plant variety of qualification examination, generating payment messages with the possibility of payment through electronic payment systems, downloading reports.

Information provided to users of the «Applicant’s Office»:

list of varieties by applicant in terms of botanical taxa.

Basic information about the variety (application): application number; variety denomination; botanical taxon; date of submission; notes on entry into the Registers; the list of authors, applicants and owners of the variety and patent holders.

Correspondence with the applicant:

expert reports on inconsistency of formal characteristics, inconsistency of the denomination of the variety, loss of novelty by the variety, etc.

Actions on the application- information on the implementation of the actions provided for by the legislation and regarding the application with the numbers and dates of the relevant orders of the UIPVE and the Competent Authority.

DUS and VCU examination:

information on import notification;

inclusion in the program and the date of the beginning of planting and receipt of seed material at the testing locations;

report (general conclusion) based on the results of the examination;

expert report upon application.


Payments:

the history of payments made according to the application;

payment notification with the possibility of generating payment documents and paying online through the payment platform (fondy);

formation of group accounts for the maintenance in the Registers.

Archive of documents- the possibility of downloading pdf documents upon request.



КАБІНЕТ ЗАЯВНИКА

Створено Світлей Микола

КОРИСТУВАЧІ

ЗАЯВНИКИ

ID	НАЗВА ЗАЯВКИ	АДРЕСА	КРАЇНА	ТЕЛЕФОН	ФАКС	EMAIL	ПРЕДСТАВНИК
9	1116	"Науково-виробнича фірма Синтез - Агро" у вигляді товариства з обмеженою відповідальністю	Вул. Леонідівська 61/3, кв70, м. Одеса, Україна, 65104	UA			
10	1942	"НОВАСЕМ" С.Р.Л.	Chisinau, str. A.Mateevici 49/2, of. 9, 2012 Moldova	MD	+373/66-152379	+373 22/602091	novasem@mail.ru

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оператор: Масленік Євгенія Вікторівна



Bulletin «Plant Variety Rights Protection»

The Bulletin is issued in compliance with the Law of Ukraine «On the Protection of Rights to Plant Varieties» in order to organize official information activities in the sphere of plant variety rights protection and to implement Ukraine's international obligations arising from its membership in the International Union for the Protection of New Varieties of Plants (UPOV).

Publication frequency is 12 times a year.

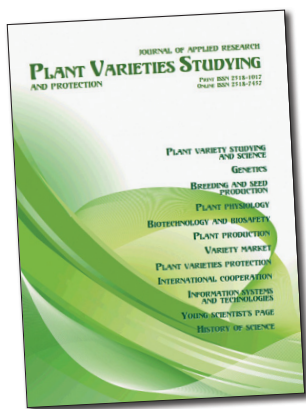
Subscription index: 86211.

Archiv of Bulletin: <https://sops.gov.ua/buleten-arhiv-nomeriv>

The Ukrainian Institute for Plant Variety Examination keep a web resource, the «Sort» – information and reference system, which provides an extended search for information on plant varieties included in the State Register of Plant Varieties suitable for dissemination in Ukraine, the examination results of which are published in the official publication of Competent Authority – Bulletin «Plant Variety Rights Protection».



Scientific and practical journal «Plant Varieties Studying and Protection»



The scientific and practical journal «Plant Varieties Studying and Protection» was founded in accordance with the order of the Cabinet of Ministers of Ukraine dated November 3, 2004. No. 816-r «On measures to fulfill Ukraine's obligations under the International Convention for the Protection of New Varieties of Plants».

According to the order of the Ministry of Education and Science of Ukraine dated 11.07.2019 No. 975, the journal «Plant Varieties Studying and Protection» is included in the List of scientific professional publications of Ukraine (category «B»), which can to publish the results of dissertations for obtaining scientific degrees of doctor of sciences in the fields of science: biological and agri-

cultural. Specialty code – 091, 201.

The edition has been published four times a year. The subscription code is 89273.

Website <https://journal.sops.gov.ua/>



Materials of UIPVE conferences are placed on the platform «Scientific periodical of Ukraine» <http://confer.uiers.sops.gov.ua/>



According to the Law of Ukraine «On Media», the National Council of Television and Radio Broadcasting of Ukraine listed UIPVE in the Register of Subjects in the field of media with the assignment of appropriate identifiers.

UIPVE is listed in State register of publishers, manufacturers and distributors of publishing products.



Council of young scientists

The Council of Young Scientists was established at the 11th General Meeting of Young Scientists on February 2016. In its activities, it is guided by the current normative legal acts of Ukraine and the Regulations on the Council of Young Scientists.

Tasks:

- promotion of interaction between UIPVE and young scientists;
- preparation of proposals for the creation of legal and socio-economic conditions for attracting young scientists to work in various fields of science, stimulating their professional activity, promoting the improvement of the professional level and realization of creative activity;
- advisory support to young scientists regarding the implementation of scientific activities; cooperation with foreign customers of scientific products, etc.;
- support of young scientists in conducting scientific and organizational, scientific and educational activities;
- promoting the development and improvement of the scientific sphere of Ukraine and its integration into the world and European research space;
- initiation and organization of scientific conferences, courses, trainings, seminars, cycles of lectures, competitions of young scientists.

The field of scientific interests of the Council of Young Scientists members:

- application of molecular genetic analysis methods within the framework of qualification examination of plant varieties;
- research of biochemical and technological quality indicators of agricultural crops;
- international cooperation on examination of plant varieties;
- international and European integration in the field of plant variety rights protection.