

2023.
U BROJKAMA
IZVJEŠĆE O RADU



2023
IN FIGURES
ANNUAL REPORT





HAPIH – IZVJEŠĆE O RADU
2023. U BROJKAMA

HAPIH – ANNUAL REPORT
2023 IN FIGURES

IMPRESSUM

■ IZDAVAČ
Hrvatska agencija za poljoprivredu i hranu
Vinkovačka 63c, 31 000 Osijek
e-mail: hapih@hapih.hr
web: www.hapih.hr

ZA UREDNIKA
izv. prof. dr. sc. Krunoslav Karalić

PRIJEVOD
IN-TRA obrt za prevođenje i poduku

TISAK
Grafika d. o. o. Osijek

ISSN 2939-4961

NAKLADA
200 primjeraka

■ PUBLISHER
Croatian Agency for Agriculture and Food
Vinkovačka 63c, 31 000 Osijek
e-mail: hapih@hapih.hr
web: www.hapih.hr

FOR THE EDITOR
Associate Professor Krunoslav Karalić, PhD

TRANSLATION
IN-TRA Translation and Training Services

TYPESETTING AND PRINTING
Grafika d. o. o. Osijek

ISSN 2939-4961

PRINT RUN
200 copies

Osijek, 2024.

Slike / Images: Shutterstock, Freepik, Pixabay i/and HAPIH arhiva

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2023. U BROJKAMA

1,56

milijuna ispitanih
uzoraka mlijeka
krava, ovaca i koza

99.923

označenih domaćih
životinja

43

inicijalnih procjena
rizika podrijetlom
iz hrane

72.188

tona certificirnog
sjemena

6.978

rješenja o stavljanju
proizvoda od vina
na tržište

43.337

fizikalno-kemijskih
analiza uzoraka tla

2.903

laboratorijske analize
štetnih organizama

14.000

mjerjenja pomoloških
vrijednosti na 684
sorte 22 voćnih vrsta

2023 IN FIGURES

1,56

samples of cow,
sheep and
goat milk

99.923

labelled domestic
animals

43

initial food safety
risk assessments

72.188

certified tons
of seed

6.978

decisions on placing
wine products
on the market

43.337

physical and chemical
soil sample analyses

2.903

laboratory analyses
of harmful organisms

14.000

measurements of
pomological properties
of 684 varieties of
22 fruit species



UVOD

Kao nacionalno provedbeno tijelo Ministarstva poljoprivrede u području poljoprivrede i hrane, provođenjem zakonom propisanih djelatnosti i povjerenih javnih ovlasti, Hrvatska agencija za poljoprivredu i hranu (HAPIH) aktivno povezuje dionike ovog sektora, u svrhu efikasne provedbe poljoprivredne politike, učinkovitog savladavanja izazova u području poljoprivredno-prehrambene proizvodnje, upravljanja rizicima, i u konačnici, pozitivnih učinaka na razvoj ruralnih područja Republike Hrvatske.

Zacrtnane planove u uvjetima aktualnih izazova uspješno realizira više od 400 djelatnika u deset ustrojstvenih jedinica koje čini mreža centara te područnih i regionalnih ureda diljem Hrvatske.

HAPIH je i tijekom 2023. u okviru svojih aktivnosti provodio, što kao nositelj što kao partner, višegodišnje istraživačke projekte prateći najnovije trendove i osluškujući potrebe i zahtjeve naših primarnih korisnika – poljoprivrednih proizvođača, s kojima su HAPIH-ovi stručnjaci na terenu u direktnom svakodnevnom kontaktu.

Krajem 2023. godine HAPIH je dobio dopusnicu za obavljanje znanstvene djelatnosti. Dopusnica je kruna naših napora za sustavnim unaprjeđenjem i ostvarivanjem visokih standarada znanstvene djelatnosti, ali i potvrda kontinuiranog ulaganja u stručna i



PREFACE

As the national implementing body of the Ministry of Agriculture in the field of agriculture and food, the Croatian Agency for Agriculture and Food (HAPIH) actively connects stakeholders in this sector, aiming for the efficient implementation of agricultural policy, effective addressing of challenges in agriculture and food production, risk management, and ultimately positive impacts on the development of rural areas in the Republic of Croatia. The demanding task of implementing the outlined plans amidst current challenges is successfully implemented by over 400 employees across ten organisational units forming a network of centres, local and regional offices throughout Croatia.

As part of its activities in 2023, HAPIH carried out multi-year research projects, both as a leader and as a partner, following the latest trends and listening to the needs and demands of our primary users – agricultural producers, with whom HAPIH's experts in the field are in direct daily contact. At the end of 2023, HAPIH received licence for performing scientific activities. The license represents the culmination of our efforts to systematically improve and achieve high standards in scientific activities. It also confirms our continuous investment in the professional and scientific training of our staff, among whom are 52 PhD holders, including 17 appointed to scientific positions. Additionally, it attests to the

znanstvena usavršavanje naših djelatnika, među kojima je 52 doktora znanosti, od kojih 17 izabranih u znanstvena zvanja, kao i potvrda visoke razine opremljenosti suvremenih laboratorija koja se prostiru na više od 2000 četvornih metara, u kojima se provodi oko 120 akreditiranih metoda.

U 2023. godini ispitano je više od **1.561.100** uzoraka mlijeka krava, ovaca i koza; certificirano gotovo **72.200** tona sjemena, **2,57 milijuna** voćnih sadnica i **1,72 milijuna** loznih cijepova; na pokusnim poljima i u laboratorijima ispitano **196** sorti na gospodarske vrijednosti (tzv. VCU) i **167** sorti na prepoznatljivost, ujednačenost i postojanost (tzv. DUS); doneseno gotovo **7.000** rješenja o stavljanju proizvoda od vina na tržište; provedeno **2900** dijagnostičkih analiza štetnih organizama; laboratorijskom analitikom obrađeno više od **2.800** uzoraka domaćih životinja za utvrđivanje DNA profila i/ili potvrđivanje roditeljstva; izrađeno **270** izvješća i stručnih mišljenja za potrebe odobravanja sredstava za zaštitu bilja te doneseno više od **40** inicijalnih procjena rizika porijeklom iz hrane

S ciljem pružanja što učinkovitije podrške korisnicima, jedan od ključnih razvojnih procesa HAPIH-a posljednjih godina bila je i informatizacija, odnosno digitalizacija poslovnih procesa. Zahvaljujući kontinuiranom razvitku danas HAPIH raspolaže s više od 60 namjenskih aplikacija. Zaživjela su i nova rješenja na našoj mrežnoj stranici na kojoj je, primjerice, u podizborniku Hrana s hrvatskih farmi i polja korisnicima



high level of equipment in our modern laboratories, spanning over 2,000 square meters, where we conduct approximately 120 accredited methods.

In 2023, over **1,561,100** samples of cow, sheep, and goat milk were tested; nearly **72,200** tons of seeds, **2.57 million** fruit seedlings, and **1.72 million** rooted grafts were certified; **196** varieties were evaluated economic value (known as VCU, value for cultivation and use) and 167 varieties for distinctiveness, uniformity, and stability (known as DUS) in trial fields and laboratories; nearly **7,000** decisions on placing wine products on the market were made; **2,900** diagnostic analyses of harmful organisms were conducted; over **2,800** samples of domestic animals were processed for DNA profiling and/or parentage confirmation through laboratory analysis; **270** reports and expert opinions were prepared for the approval of plant protection products; and over **40** initial food safety risk assessments were made.



dostupna interaktivna karta Hrvatske tako da svi zainteresirani s tek klikom mogu pouzdano provjeriti gdje nastaju proizvodi s našim znakom kojim promoviramo domaće porijeklo i potičemo hrvatsku poljoprivredno-prehrambenu proizvodnju. Kako bismo korisnicima olakšali korištenje naših usluga, od kojih su neke i zakonska obveza, započeli smo izradu i „how-to“ videa informativno-edukativnog sadržaja. Namjera nam je korak po korak vizualno pojasniti proceduru, primjerice, uzimanja uzoraka vina u svrhu podnošenja zahtjeva za stavljanje na tržište, prepoznavanja simptoma i provođenje mjera suzbijanja zlatne žutice vinove loze, ili pristupanja rezultatima provedenih laboratorijskih analiza i slično.

Brojne aktivnosti HAPIH-aimaju edukativni aspekt, prijenos znanja u praksu u službi podizanja konkurentnosti proizvođača, kao jedne od nezaobilaznih zadaća HAPIH-a. Tako je HAPIH organizator i

With the aim of providing the most effective support to our users, one of key developments of HAPIH in recent years has been the computerisation, i.e. digitisation of business processes. Thanks to continuous development, today HAPIH has over 60 dedicated applications. New solutions have also been implemented on our website, where, for example, in the Food from Croatian Farms and Fields submenu, users have access to an interactive map of Croatia. With just a click, all interested parties can reliably check where products with our logo, promoting domestic origin and fostering Croatian agricultural and food production, are produced. To make it easier for users to utilize our services, some of which are a legal obligation, we have also started creating informative and educational “how-to” videos. Our intention is to visually present the procedure step by step, such as sampling wine for the purpose of applying for market placement, identifying symptoms and implementing measures to control the *flavescentia dorée*, or accessing the results of laboratory analyses, etc.

Many activities of HAPIH also have an educational aspect, transferring of knowledge into practice to enhance the competitiveness of producers, which is one of the indispensable tasks of HAPIH. HAPIH is the organiser, co-organiser or partner of numerous professional and scientific events, ranging from workshops and open days to consultations, symposia, conferences and congresses. In addition to regular training sessions for winemakers, users of plant protection

suorganizator odnosno partner brojnih stručnih i znanstvenih događanja, od radionica i dana otvorenih vrata, do savjetovanja, simpozija, konferencija i kongresa. Uz redovito održavanje edukacija vinara, korisnika sredstava za zaštitu bilja, specijaliziranih subjekata za izdavanje biljnih putovnica, izobrazbe iz područja održive uporabe pesticida, obuke nadglednika sjemenske proizvodnje odnosno uzorkivača sjemena i dr., treba istaknuti u prošloj godini intenzivne edukacije uzgajivača svinja na kojima su naši stručnjaci zabrinutim proizvođačima nastojali pružiti odgovore na goruća pitanja o afričkoj svinjskoj kugi i aktualnim mjerama borbe protiv ove strašne bolesti. Bili smo s njima u neposrednom kontaktu na brojnim edukacijama, koje smo organizirali zajedno s jedinicama lokalne samouprave. Nadalje, HAPIH-ova tradicionalna savjetovanja za uzgajivače domaćih životinja, prošle su godine po prvi puta objedinjena u jedinstven skup. Novi je koncept dao i novu dimenziju savjetovanju, jer unatoč specifičnosti svakog sektora postoje i zajednički izazovi s kojima se suočavaju svi sektori, kao što su klimatske promjene, porast cijena, zahtjevi Europske unije i sl. Stoga smo na 1. Danima hrvatskog stočarstva nastojali okupiti sve sektore i kroz dijalog, razmjenu iskustava i najboljih praksi, zajednički pronaći rješenja.

Organizirane su i edukacije međunarodnog karaktera. Tako je HAPIH u posljednje četiri godine u suradnji s Europskom agencijom za sigurnost hrane (EFSA) bio

products, specialized entities issuing plant passports, and education in the field of sustainable pesticide use, the training of seed production supervisors and seed samplers, among others, it is important to highlight the intensive education session for pig breeders that took place last year. During these sessions, our experts sought to provide answers to pressing questions of concerned producers about African swine fever and current measures to combat this devastating disease. We were in direct contact with them at numerous educational events, which we organised together with local self-government units. Furthermore, last year, for the first time, HAPIH's traditional consultations for domestic animal breeders were consolidated into a single event. The new concept has brought a new dimension to consulting, because despite the specificities of each sector, there are also common challenges they face, such as climate change, rising prices, European Union requirements, etc. Therefore, at the 1st Croatian Livestock Breeding Days, we aimed to bring together all sectors and, through dialogue, exchange of experiences and best practices, find solutions together.

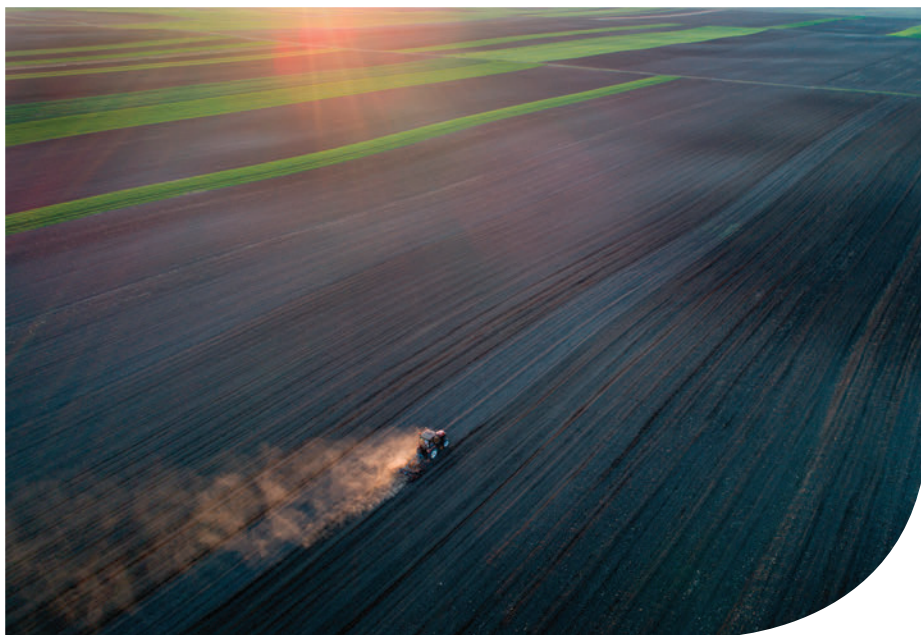
HAPIH also organised international educational events. Thus, over the last four years, in collaboration with the European Food Safety Authority (EFSA), HAPIH hosted the Autumn School, organised for participants from pre-accession and EU candidate countries, aimed at strengthening their capacities in risk assessment and risk communication.

domaćin Jesenske škole organizirane za sudionike iz zemalja pretpriputnica i kandidatkinja za članstvo u EU, u svrhu jačanja njihovih kapaciteta u području procjene rizika i komunikacije o riziku.

Brojne uspješne aktivnosti formalizirane su nizom sporazuma o suradnji s relevantnim institucijama i na međunarodnoj razini. Mnogi izazovi s kojima se svaka država susreće nerijetko nisu samo na nacionalnoj razini, već su i europski, ako ne i svjetski. Stoga je uspostava suradnje s institucijama iz drugih država članica EU-a ključna za razmjenu znanja i stvaranje mreže stručnjaka koji te izazove mogu rješavati zajedno. Uz već spomenutu suradnju s EFSA-om u svojstvu nacionalne kontakt točke, HAPIH bilježi i uspješnu suradnju s Organizacijom za hranu i poljoprivredu

Many successful activities were formalized through a series of cooperation agreements with relevant institutions at the international level.

Many of the challenges faced by each country are often not confined to the national level but also extend to the European, if not global, scale. Therefore, the establishment of cooperation with institutions from other EU member states is essential for the exchange of knowledge and the creation of a network of experts who can solve these challenges together. HAPIH also has successful cooperation with the Food and Agriculture Organization of the United Nations (FAO) and the World Health Organization (WHO), in addition to the aforementioned collaboration with EFSA as the national contact point. Furthermore, HAPIH spearheads activities



Ujedinjenih naroda (FAO) kao i Svjetskom zdravstvenom organizacijom (WHO) te je nositelj aktivnosti ispred Republike Hrvatske vezano za članstvo u OECD-u, HAPIH je i potpisnik niza bilateralnih sporazuma s relevantnim institucijama zemalja Europske unije, kao i sa zemljama iz okruženja. Tako su u protekloj godini potpisani sporazum o suradnji s njemačkim Saveznim institutom za procjenu rizika (BfR), bugarskim Centrom za procjenu rizika, kao i slovačkim partnerima, a u visokoj fazi pripreme je i formaliziranje suradnje s francuskim ANSES-om.

U 2023. godini fokus je bio na daljnje podizanje učinkovitosti, te jačanje suradnje s ključnim dionicima i unaprjeđenja kvalitete usluga i zadovoljstva naših korisnika. HAPIH-ovi su Centri provodili stručne poslove u skladu s posebnim propisima definiranim

on behalf of the Republic of Croatia related to OECD membership. Additionally, HAPIH is a signatory to a number of bilateral agreements with relevant institutions of European Union countries, as well as countries in the surrounding region. Last year were signed a cooperation agreement with the German Federal Institute for Risk Assessment (BfR), the Bulgarian Risk Assessment Centre, as well as Slovak partners. Additionally, formalizing cooperation with the French ANSES is in an advanced stage of preparation.

In 2023, focus was on further increasing efficiency, strengthening cooperation with key stakeholders, and enhancing the quality of services and satisfaction of our users. HAPIH's Centres carried out professional tasks in accordance with special regulations defining their authority and responsibilities. This continued the ongoing implementation of activities



ovlastima i zadaćama. Tako je nastavljeno kontinuirano provođenje aktivnosti radi zaštite zdravlja tla, očuvanja zdravstvenog stanja bilja, zadržavanja pozitivnih trendova u sjemenskoj proizvodnji, jačanja sektora voćarstva te vinogradarstva i vinarstva, zadržavanja kvalitete usluga i jačanja sektora stočarstva i kontrole kvalitete stočarskih proizvoda, kao i radi daljnjeg podizanja razine zaštite potrošača u području sigurnosti hrane. Zaključno se može reći kako su zacrtani ciljevi ostvareni u skladu s raspoloživim financijskim, kadrovskim i tehničkim potencijalima.

Tijekom 2023. ostvareni su i svi preduvjeti za trogodišnji projekt CROOH čiji je HAPIH voditelj, a cilj mu je uspostava nacionalnog koordiniranog sustava nadzora zoonoza, a sve u skladu s pristupom "Jedno zdravlje".

I naposljetku, s 1. siječnjem 2024. HAPIH puni pet godina od osnutka. No iza HAPIH-a je puno više godina pa i desetljeća tradicije predanog stručnog i znanstvenog rada naših Centara odnosno Zavoda. Tako je ove godine svečano proslavljeno 25 godina Centra za sjemenarstvo i rasadničarstvo, ali i obilježena 110. Obljetnica uzgojno-selekcijanskog rada u RH čiju tradiciju baštini naš Centar za stočarstvo kao jedan od nositelja provedbe uzgojno-selekcijanskih programa domaćih životinja.

Ova sinergija znanosti i struke u jednoj jedinstvenoj instituciji daje posebnu snagu HAPIH-ovih pet godina u službi hrvatske poljoprivrede i proizvodnje hrane.

aimed at protecting soil health, preserving the health status of plants, maintaining positive trends in seed production, strengthening the fruit growing, viticulture and winemaking sectors, maintaining service quality, strengthening the livestock sector, and controlling the quality of livestock products. It also aimed to further enhance consumer protection in the field of food safety. In conclusion, it can be said that the set goals have been achieved in line with the available financial, human and technical resources.

In 2023, all prerequisites for the three-year project CROOH, led by HAPIH, were met, with the aim of establishing a national coordinated system for zoonoses surveillance, all in accordance with the 'One Health' approach.

Finally, on 1 January 2024, HAPIH celebrated the fifth anniversary of the establishment. But we have a long-standing tradition of dedicated professional and scientific work of our Centres and Institutes, spanning many years, even decades. This year we celebrated the 25th anniversary of the Centre for Seed and Seedlings, and also commemorated the 110th anniversary of breeding and selection work in Croatia, a tradition upheld by our Centre for Livestock Breeding as one of the key players in domestic animal breeding and selection programmes.

This synergy of science and expertise within a single institution provides a special strength to HAPIH's five years in the service to Croatian agriculture and food production.

ORGANIZACIJSKA STRUKTURA

Hrvatska agencija za poljoprivredu i hranu (HAPIH) javna je ustanova specijalizirana u području poljoprivrede i hrane, koja širok raspon svojih djelatnosti iz navedenih područja obavlja kroz deset ustrojstvenih jedinica.

Svaka ustrojstvena jedinica pokriva određeni sektor, a one su: Centar za sjemenarstvo i rasadničarstvo (sa sjedištem u Osijeku), Centar za sigurnost hrane (sa sjedištem u Osijeku), Centar za stočarstvo (sa sjedištem u Osijeku), Centar za tlo (sa sjedištem u Osijeku), Centar za kontrolu kvalitete stočarskih proizvoda (sa sjedištem u Križevcima), Centar za vinogradarstvo, vinarstvo i uljarstvo (sa sjedištem u Zagrebu), Centar

ORGANISATIONAL STRUCTURE

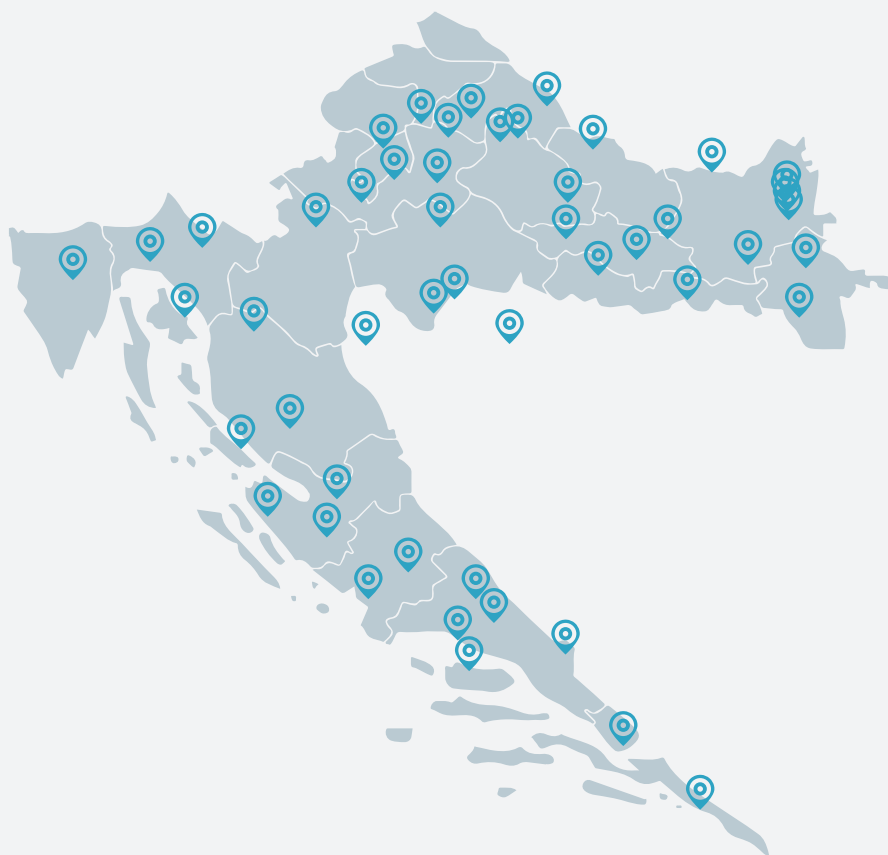
The Croatian Agency for Agriculture and Food (HAPIH) is a public institution specialized in the field of agriculture and food, which performs a wide range of activities through ten organisational units.

Each organisational unit covers a particular sector, and they are: Centre for Seed and Seedlings (based in Osijek), Centre for Food Safety (based in Osijek), Centre for Livestock Breeding (based in Osijek), Centre for Soil (based in Osijek), Centre for Quality Control of Livestock Products (based in Križevci), Centre for Viticulture, Enology and Edible Oils Analysis, (based in Zagreb), Centre for Pomology and Vegetable Crops



za voćarstvo i povrćarstvo (sa sjedištem u Zagrebu) te Centar za zaštitu bilja (sa sjedištem u Zagrebu). Osim centara, HAPIH ima još dvije ustrojstvene jedinice - Ured ravnatelja i Sektor za podršku poslovnih procesa, obje sa sjedištem u Osijeku, gdje je i sjedište Agencije.

(based in Zagreb), and Centre for Plant Protection (based in Zagreb). In addition to the centres, HAPIH has two more organisational units – the Executive Director's Office and the Sector for Business Process Support – both based in Osijek, where the Agency also has its headquarters.



Zahvaljujući mreži ureda na više od 40 lokacija, specifične djelatnosti Agencije pokrivaju cijelo područje Republike Hrvatske.

Thanks to the network of offices in more than 40 locations, the Agency's specific activities cover the entire territory of the Republic of Croatia.

Kvalitetu poslovanja potvrđuju brojni certifikati

HAPIH svoju djelatnost uspješno mjeri i prema međunarodnim standardima. Cjelokupan rad certificiran je prema međunarodnoj normi **HRN EN ISO 9001:2015**.

Prema međunarodnoj normi **HRN EN ISO 17025:2017**, akreditirani su laboratoriji:

- Centra za kontrolu kvalitete stočarskih proizvoda
- Centra za zaštitu bilja
- Centra za tlo
- Centra za vinarstvo, vinogradarstvo i uljarstvo
- Centra za sjemenarstvo i rasadničarstvo.

Dodatno:

- Centar za vinarstvo, vinogradarstvo i uljarstvo certificiran je i prema međunarodnoj normi **HRN EN ISO 17065**
- Centar za sjemenarstvo i rasadničarstvo ima i **ISTA** (International Seed Testing Association) akreditaciju i Entrustment
- Centar za kontrolu kvalitete stočarskih proizvoda i Centar za stočarstvo vlastite su djelatnosti certificirali i prema **ICAR** certifikaciji.

Tijekom 2023. godine:

Odjel za biotehnoške analize, mikotoksine i rezidue pesticida Centra za sjemenarstvo i rasadničarstvo, u kojem se posljednje dvije godine u suradnji s Centrom za stočarstvo provode i genetske analize u stočarstvu, zaprimio je od Međunarodne organizacije za animalnu genetiku (International Society for Animal Genetics – ISAG) rezultate usporednih testova za tipiziranje s mikrosatelitskim markerima (STR typing) za goveda i konje.



TEST



CERT



TEST



TEST



TEST



The quality of business operation is confirmed by numerous certificates

HAPIH successfully measures its activities against international standards. Overall business operation is **HRN ENa ISO 9001:2015** certified.

The laboratories of the following centres are **HRN EN ISO 17025:2017** certified:

- Centre for Quality Control of Livestock Products
- Centre for Plant Protection
- Centre for Soil
- Centre for Viticulture, Enology and Edible Oils Analysis
- Centre for Seed and Seedlings

Additionally:

- the Centre for Viticulture, Enology and Edible Oils Analysis is also **HRN EN ISO 17065** certified
- the Centre for Seed and Seedlings has **ISTA** (International Seed Testing Association) accreditation and Entrustment
- the activities of the Centre for Quality Control of Livestock Products and the Centre for Livestock Breeding are **ICAR** certified

In 2023:

The Department for Biotechnical Analysis, Mycotoxins and Pesticide Residues of the Centre for Seed and Seedlings, where genetic analyses in livestock have also been conducted in collaboration with the Centre for Livestock Breeding over the past two years, received results from the International Society for Animal Genetics (**ISAG**) for microsatellite marker analysis (STR typing) for cattle and horses.



Centar za tlo

Centre for Soil



43.337

analiza /
analyses

8.154

uzoraka /
samples

Centar za tlo

U Centru za tlo (CT) provode se aktivnosti u svrhu zaštite poljoprivrednog zemljišta, odnosno zaštite tala Republike Hrvatske kao općeg dobra i značajne sastavnice okoliša. Poslovi zaštite poljoprivrednog zemljišta provode se kroz Program trajnog praćenja stanja (monitoring) poljoprivrednog zemljišta i praćenje stanja poljoprivrednog zemljišta ispitivanjem plodnosti tla.

Odjel za zaštitu poljoprivrednog zemljišta organizira i provodi sva terenska istraživanja za potrebe provedbe zakonske legislative vezane uz zaštitu poljoprivrednog zemljišta. Odjel za kemijska, fizikalna i biološka ispitivanja, referentni je laboratorij na razini RH na poslovima ispitivanja plodnosti tla i monitoringa koji organizira i provodi osposobljavanje djelatnika za rad na analizama te organizira godišnji sastanak s predstavnicima ovlaštenih laboratorija.

Osim toga, laboratorij je i nacionalni laboratorij RH u GLOSOLAN mreži, koji je tijekom 2023. godine nastavio sa sudjelovanjem i provođenjem međulaboratorijskih usporedbi (Ring testovi) u skladu s akreditacijskim standardom (HRN EN ISO/IEC 17025).

CT je tijekom 2023. godine:
zaprimio i analizirao ukupno

8.154 uzorka

kroz ispitivanje plodnosti tla analizirano je

7.740 uzoraka tla

268 uzoraka organskih gnojiva

137 uzoraka fizike tla

9 uzoraka biljnog materijala

određeni broj uzoraka tla analiziran je na ostale parametre (N-min, CEC, teški metali, mikroelementi, fizikalne analize – mehanički sastav, volumna gustoća i dr.)
ukupno je obavljeno

43.337 analiza

Centre for Soil

The Centre for Soil (CS) carries out activities aimed at protecting agricultural land, i.e. protecting the soil of the Republic of Croatia as a common good and an important component of the environment.

Agricultural land protection is carried out through the Programme of permanent monitoring of the condition of agricultural land and monitoring of the condition of agricultural land by testing soil fertility.

The Department for Agricultural Land Protection organizes and conducts all field research for the implementation of legal regulations related to the protection of agricultural land. The Department for Chemical, Physical and Biological Testing serves as the reference laboratory at the national level for soil fertility testing and monitoring. It organizes and conducts training for staff to perform analyses, and arranges an annual meeting with representatives of authorized laboratories.

Additionally, it is the national laboratory of the Republic of Croatia in the GLOSOLAN network, which continued its participation and implementation of interlaboratory comparisons (Ring tests) in accordance with the accreditation standard (HRN EN ISO/IEC 17025) during 2023.

In 2023, the Centre for Soil:
received and analysed a
total of

8,154 samples

analysed

7,740 soil samples

268 samples of organic fertilizers

137 samples of soil physics and

9 samples of plant material

in soil fertility testing analysed a certain number
of soil samples for other parameters (N-min, CEC,
heavy metals, microelements, physical analysis
– mechanical composition, bulk density, etc.)

performed a total of

43,337 analyses

CT prikuplja i pohranjuje podatke u GIS bazu Centra za tlo, sukladno Pravilniku o metodologiji za praćenje stanja poljoprivrednog zemljišta NN 47/19. Ovlašteni laboratoriji dostavili su Centru za tlo podatke za ukupno 25.371 uzorak tla, što sa podacima referentnog laboratorija CT-a iznosi ukupno **35.021** uzorak tla.

Buduće prikupljanje podataka vršit će se u nadograđenom sustavu unutar postojećeg informacijskog sustava ISAPZ, čiji je vlasnik Ministarstvo poljoprivrede, a korisnik aplikacije Hrvatska agencija za poljoprivredu i hranu. Nadogradnja sustava osigurana je kroz Nacionalni plan oporavka i otpornosti (NPOO).

Osim toga, Centar za tlo je tijekom prošle godine nastavio s programom informatizacije kroz aplikacijska rješenja SimpleLAB i MOBIDI.

U 2023. godini, u okviru djelatnosti Centra za tlo:

- u sklopu Nacionalnog plana oporavka i otpornosti (NPOO C1.5. R2 I2), za čiju je provedbu osigurano 1.725.396,51 eura, uspostavljeno je prvih 30 točaka motrenja sukladno Programu trajnog praćenja stanja (monitoring) poljoprivrednog zemljišta. U periodu do 2026. godine predviđeno je zasnivanje ukupno 90 postaja na području cijele RH
- nastavljeno je vođenje evidencije o provedbi agrotehničkih mjera, u okviru koje je izvješća dostavila 241 jedinica lokalne samouprave
- nastavljeno je aktivno sudjelovanje u provedbi mjera ruralnog razvoja M10.1.15., M10.1.17., i M4.1, koje provodi APRRR.

U 2023. uspješno je završen projekt:

- AGROEKOTEH – Optimizacija gospodarenja tlom i prilagodba agroekosustava i agrotehničkih mjera klimatskim promjenama

The Centre for Soil collects and stores data in the GIS database of the Centre, in accordance with the Ordinance on the methodology for monitoring the state of agricultural land (The Official Gazette 47/19). Authorized laboratories submitted data for a total of 25,371 soil samples to the Centre, which combined with the data from the reference laboratory of the Centre for Soil amounts to **35,021** soil samples.

Future data collection will be conducted within the upgraded system of the existing Information System for Agricultural Land (ISAPZ), owned by the Ministry of Agriculture, with the Croatian Agency for Agriculture and Food as the application user. The system upgrade is ensured through the National Recovery and Resilience Plan (NRRP).

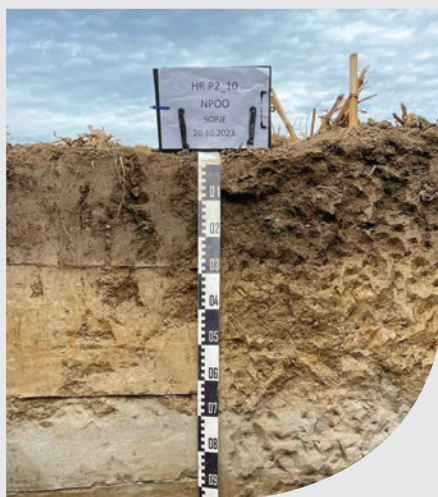
In addition, the Centre for Soil continued its digitisation programme using SimpleLAB and MOBIDI application solutions.

In 2023, the Centre for Soil carried out the following activities:

- under of the National Recovery and Resilience Plan (NRRP C1.5. R2 I2), which was allocated 1,725,396.51 EUR for implementation, the initial 30 monitoring points were established as outlined in the Agricultural Land Monitoring Programme; by 2026, it is planned to establish a total of 90 stations across Croatia
- record keeping of the implementation of agrotechnical measures continued, with reports submitted by 241 local self-government units
- active participation in the implementation of rural development measures M10.1.15, M10.1.17, and M4.1, implemented by the Paying Agency for Agriculture, Fisheries and Rural Development (PAAFRD)

In 2023, the following project was successfully completed:

- **AGROEKOTEH** – optimisation of soil management and adaptation of agroecosystems and agrotechnical measures to climate change.





Centar za sjemenarstvo i rasadničarstvo

Centre for Seed and
Seedlings



72.188

tona sjemena /
tons of seed

196

registriranih sorti
/ varieties were
registered

Centar za sjemenarstvo i rasadničarstvo

Centar za sjemenarstvo i rasadničarstvo (CSR) nacionalno je ovlašteno tijelo za provođenje svih poslova iz područja sjemenarstva, rasadničarstva i priznavanja sorti poljoprivrednog bilja pod nadzorom Ministarstva poljoprivrede.

Ključne su aktivnosti CSR-a:

- nadzor sjemenske i rasadničarske proizvodnje
- certificiranje sjemena i sadnog materijala
- priznavanje i zaštita novih biljnih sorti
- provođenje poljskih pokusa za potrebe sektora sjemenarstva
- skrb o biljnim genetskim izvorima
- laboratorijsko ispitivanje kakvoće sjemena
- detekcija i kvantificiranje GMO-a u sjemenu, hrani i hrani za životinje

U 2023. godini:

- prijavljeno je **196 sorti** u postupak priznavanja, što je povećanje za 20 sorti odnosno 11,36 % u odnosu na prethodnu godinu, čime je 2023. najbolja u posljednjih deset godina
- praćena je sjemenska proizvodnja na području 14 županija RH, na 22.610 ha, što je povećanje površina od 10,41 % u odnosu na prethodnu godinu čime je 2023. po proizvodnim površinama najbolja u posljednjih deset godina
- certificirano je gotovo **72.188 tona** sjemena (41 biljne vrste) za domaće i tržište trećih zemalja OECD-a (*The Organisation for Economic Co-operation and Development*)
- nastavljeno je vođenje upisnika dobavljača, laboratorija i uzorkivača poljoprivrednog reprodukcijskog materijala, te je ukupno izdano 117 rješenja

Centre for Seed and Seedlings

The Centre for Seed and Seedlings (CSS) is a national authorized body for carrying out activities in the field of seed and seedling production and recognition of varieties of agricultural plants under the supervision of the Ministry of Agriculture.

The key activities of the Centre are:

- monitoring seed and seedling production
- certification of seeds and planting material
- recognition and protection of new plant varieties
- conducting field trials for the needs of the seed sector
- care of plant genetic resources
- laboratory testing of seed quality
- detection and quantification of GMOs in seeds, food and feed

In 2023:

- **196 varieties** were registered for recognition, which is an increase of 20 varieties or 11.36% compared to the previous year, making 2023 the best year in the last decade
- seed production was monitored in 14 counties of the Republic of Croatia, covering 22,610 ha, which is an increase of 10.41% compared to the previous year, making 2023 the best year in terms of production area in the last decade
- nearly **72,188 tons** of seed (41 plant species) were certified for both domestic and third-country markets within the Organisation for Economic Co-operation and Development (OECD)
- the maintenance of the registry of suppliers, laboratories and samplers of agricultural reproductive material continued, and a total of 117 decisions were issued

Na lokacijama u Osijeku i Kutjevu proveden je postregistracijski pokus (u tri ponavljanja) strnih žitarica i soje, kojim je obuhvaćeno:

45 sorti ozime pšenice i ozimog ječma

13 sorti soje

U laboratorijima CSR-a provedene su sljedeće analize:

4.641 analiza

u postupku ispitivanja kvalitete sjemena

4.999 analiza

u postupku utvrđivanja prisutnosti GMO-a u sjemenu, hrani i hrani za životinje

488 analiza sjemena soje

na prisutnost genetski modificiranih organizama.

CSR je u 2023. godini svečano obilježio **25 obljetnicu uspješnog rada** kao sljednik Zavoda za sjemenarstvo i rasadničarstvo, osnovanog 1998. godine. Od osnutka do danas, provodeći sve dodijeljene zadatke vezane za priznavanje i zaštitu biljnih sorti, nadzor proizvodnje te laboratorijske kontrole sjemena, Centar je postao vodeća ustanova u području sjemenarstva u regiji.



At locations in Osijek and Kutjevo, a post-registration trial (with three replications) of small grains and soybeans was conducted, including:

45 varieties of winter wheat and winter barley

13 varieties of soybeans

The following analyses were conducted in the Centre's laboratories:

4,641 analyses

in the process of seed quality testing

4,999 analyses

in the process of determining the presence of GMOs in seed, food and animal feed

488 analyses of soybean seeds

for the presence of genetically modified organisms

In 2023, the Centre celebrated the **25th anniversary of successful work** as the successor of the Institute for Seed and Seedlings, which was founded in 1998. Since its establishment, by fulfilling all tasks related to the recognition and protection of plant varieties, production supervision, and laboratory control of seeds, the Centre has become the leading institution in the field of seed production in the region.



Centar za voćarstvo i povrćarstvo

Centre for Pomology and
Vegetable Crops

**14.000**

mjerjenja pomo-
loških vrijednosti /
pomological value
measurements

22

voćne vrste /
fruit species

Centar za voćarstvo i povrćarstvo

Cilj je Centra za voćarstvo i povrćarstvo (CVP) povećanje kompetencija i razvoj sektora voćarstva i povrćarstva, pa su mu aktivnosti ponajviše usmjerene na provedbu znanstveno-stručnih istraživanja.

Djelatnosti CVP-a uključuju:

- priznavanje sorata voćnih vrsta uz održavanje referentnih kolekcija sorti i podloga na dvama pokušalištima (Donja Zelina i Kaštel Štafilić)
- očuvanje biljnih genetskih izvora
- provođenje introdukcije sorti voćnih vrsta i podloga
- izradu Opisne/preporučene sortne liste te
- fizikalno-kemijske i senzorne analize voća neposredno nakon berbe, kao i tijekom čuvanja.

U 2023. godini:

- osnovan je **Odjel za agrume u Opuzenu** u svrhu daljnjeg razvoja proizvodnje agruma u dolini Neretve, te su poduzete aktivnosti na terenu (odabir zemljišta i potrebne agrotehničke pripreme) za podizanje pokusnog nasada
- **Na pokušalištu Kaštel Štafilić:**
- nastavljeno redovito održavanje kolekcije starih i udomaćenih sorata masline (**18 sorti**)
- nastavljeno provođenje istraživanja uzgoja masline u gustom sklopu na **1,5 ha sa 8 sorti** (1544, 1744 i 2002 sadnica po ha) za superintenzivne uzgojne oblike - najnovija tehnologija uzgoja koja osigurava visok prirodu uz veliku mogućnost upotrebe mehanizacije
- plodovi maslina se prerađuju u ulje čija je vrhunska kvaliteta prepoznata i ocijenjena brojnim zlatnim i srebrnim odličjima na „Noćnjaku“.

Centre for Pomology and Vegetable Crops

The Centre for Pomology and Vegetable Crops (CPV) aims to increase competences and develop the fruit and vegetable sector, so its activities are mainly focused on conducting scientific and professional research.

The Centre's activities include:

- recognition of varieties of fruit species while maintaining reference collections of varieties and rootstocks at two experimental orchards (Donja Zelina and Kaštel Štafilić)
- conservation of plant genetic resources
- implementation of the introduction of varieties of fruit species and rootstocks
- creation of a Descriptive/Recommended Variety List
- physicochemical and sensory analyses of fruit immediately after harvesting, as well as during storage

In 2023:

- The **Department for Citrus Fruits** was established in Opuzen for the purpose of further development of citrus fruit production in the Neretva Valley, and activities were undertaken in the field (site selection and necessary agrotechnical preparations) for the establishment of an experimental orchard.
- **At the experimental site Kaštel Štafilić:**
 - regular maintenance of the collection of old and domesticated olive varieties (**18 varieties**) continued
 - research on dense olive cultivation on **1.5 ha with 8 varieties** (1544, 1744 and 2002 seedlings per ha) for super-intensive forms of cultivation – the latest cultivation technology that ensures high yield with great potential for using mechanisation
 - olives were processed into oil, the premium quality of which has been recognized and awarded many gold and silver medals at the "Noćnjak" competition

■ Na pokušalištu Donja Zelina:

- nastavljeno je redovito provođenje agrotehnoloških procesa na površinama kolekcijskog nasada banke biljnih gena

na

684 sorte 22 voćne vrste

obavljeno više od

14.000 mjerenja pomoloških vrijednosti

u laboratoriju za fizikalne i kemijske analize ploda, a obrađeni podaci uvršteni u aplikaciju "Voćari"

- nastavljeno provođenje aktivnosti u tri plastenika, kao i na otvorenoj površini iznad plastenika, u okviru sortnih pokusa američke borovnice, maline i ribiza
- postavljen je pokus sa šest sorti češnjaka

Nastavljeno je provođenje:

- Nacionalnog programa očuvanja i održive uporabe biljnih genetskih izvora za hranu i poljoprivredu u Republici Hrvatskoj u okviru koga je u Hrvatsku bazu podataka o biljnim genetskim izvorima do sada ukupno upisano **274 primke od 11 kontinentalnih voćnih vrsta** i to: jabuke 130, kruške 74, šljive 32, trešnje 12, višnje 4, marelice 3, breskve 2, ljeske 9, orah 5, ribiz 1 i ogroz 2 primke te 4 primke masline

Uspješno je završen projekt:

- **„APPLERESIST“** - zajednički projekt Fakulteta agrobiotehničkih znanosti Osijek Sveučilišta Josipa Juraja Strossmayera u Osijeku i HAPIH-a. Ispitivanjem su bile obuhvaćene 33 sorte jabuke, a provodilo se na dvije lokacije: novoosnovanom pokušalištu FAZOS-a kod Osijeka i pokušalištu HAPIH-a u Donjoj Zelini

■ **At the experimental orchard Donja Zelina:**

- regular implementation of agrotechnological processes continued at the collection orchard of the plant gene bank

more than

14,000 pomological value measurements

were conducted in the laboratory for physical and chemical fruit analysis

on

684 varieties of 22 fruit species, and the processed data were included in the 'Fruit Growers' application

- activities in three greenhouses and on the open ground above the greenhouses continued with variety trials of American blueberry, raspberry and currant
- a trial with six varieties of garlic was set up

The implementation of the following projects continued:

- National Programme for the Conservation and Sustainable Use of Plant Genetic Resources for Food and Agriculture in the Republic of Croatia, within which a total of **274 accessions of 11 continental fruit species** have been recorded in the Croatian Plant Genetic Resources Database so far, including 130 apple, 74 pear, 32 plum, 12 cherry, 4 sour cherry, 3 apricot, 2 peach, 9 hazelnut, 5 walnut, 1 currant, 2 gooseberry, and 4 olive accessions.

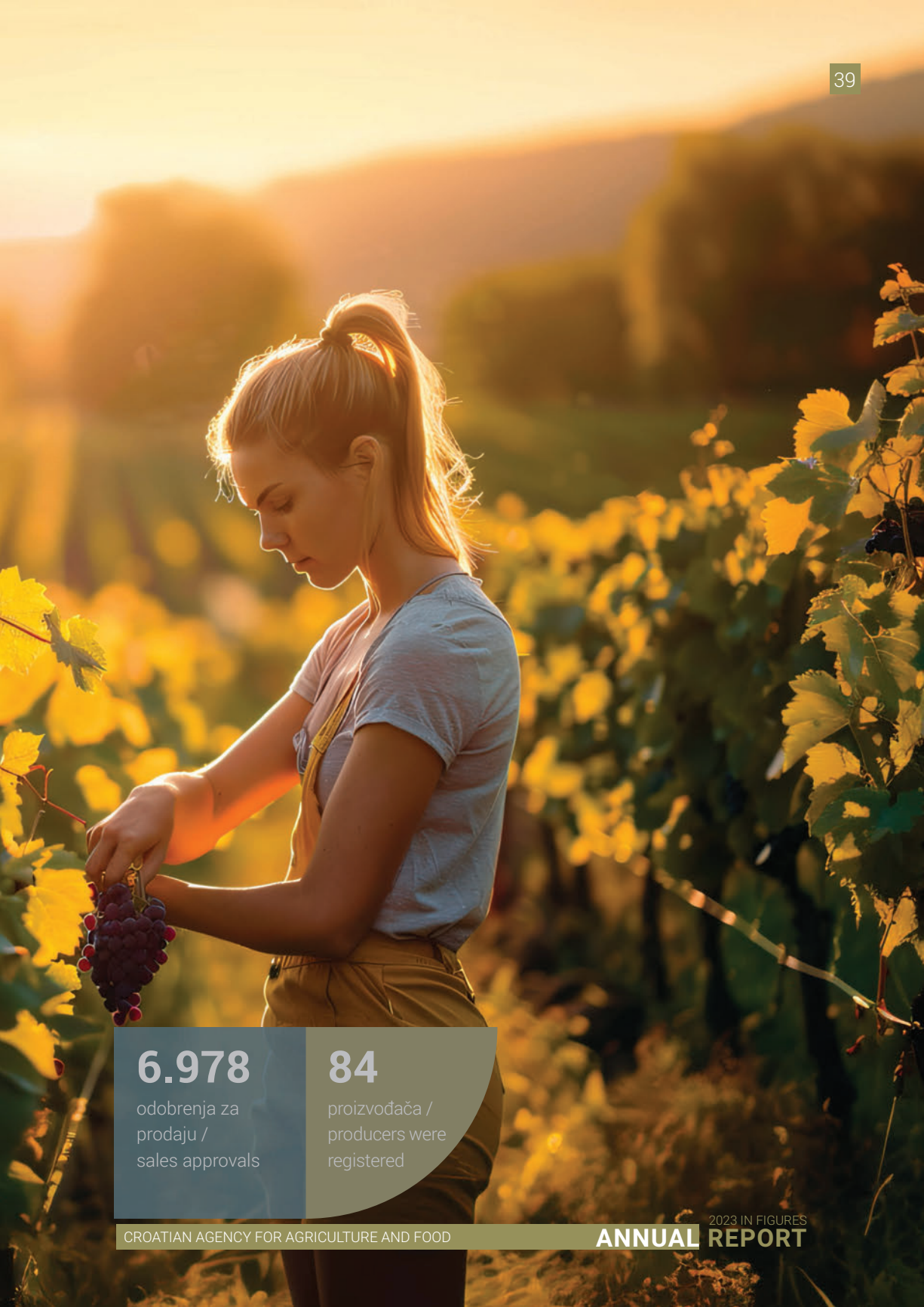
The following project was successfully completed:

- **APPLERESIST** – joint project of the Faculty of Agrobiotechnical Sciences Osijek of Josip Juraj Strossmayer University in Osijek (FAZOS) and HAPIH. The project included 33 apple varieties, and was conducted at two sites: the newly established FAZOS experimental site near Osijek and the HAPIH experimental site in Donja Zelina.



Centar za vinogradarstvo, vinarstvo i uljarstvo

Centre for Viticulture,
Enology and Edible Oils
Analysis



6.978

odobrenja za
prodaju /
sales approvals

84

proizvođača /
producers were
registered

Centar za vinogradarstvo, vinarstvo i uljarstvo

Centar za vinogradarstvo, vinarstvo i uljarstvo (CVVU) provodi upravni postupak donošenja rješenja o stavljanju na tržište mošta, vina i voćnih vina, kao i postupak certifikacije vina sa zaštićenim oznakama izvornosti te certificiranje aromatiziranih proizvoda od vina.

CVVU provodi i nadzor berbe i prerade grožđa za proizvodnju predikatnih vina, vodi Evidenciju proizvođača voćnih vina i proizvedenih količina te izdaje certifikate za izvoz hrvatskih vina u treće zemlje. Provodi fizikalno-kemijska i senzorna ispitivanja kakvoće proizvoda te izdaje mišljenja o kakvoći u službenim kontrolama. Nadležan je i za prikupljanje podataka, uzoraka grožđa te proizvodnju autentičnih vina radi provedbi izotopnih analiza i ažuriranje podataka u banci podataka o autentičnim vinima Europske unije (*EU Wine Data Bank – EU-WDB*).

U 2023. godini:

doneseno je

6.978 rješenja o stavljanju proizvoda na tržište,
kojima je odobreno stavljanje

527.242,37 hektolitara proizvoda na tržište

- obavljeno je ukupno 200 nadzora sukladnosti proizvodnje vina sa specifikacijama zaštićenih oznaka izvornosti
- obavljeno je **45 nadzora** berbe grožđa za proizvodnju predikatnih vina
- u Upisnik proizvođača voćnih vina upisano je 84 proizvođača
- prikupljeno, prerađeno i mikroviniificirano je 63 uzorka grožđa za proizvodnju autentičnih vina berbe 2023. i analizu omjera stabilnih izotopa
- pripremljeno je **120 uzoraka berbi** 2020., 2021., 2022. i 2023. za provođenje izotopnih analiza za vođenje Baze podataka stabilnih izotopa i drugih parametara kakvoće hrvatskih vina
- izdane su tri potvrde o sukladnosti proizvoda sa specifikacijom za ZOZP „Samoborski Bermet”
- organizirane su i stručne obuke vinara o pravilnom uzimanju uzoraka u postupku izdavanja Rješenja o stavljanju proizvoda na tržište, a nakon uspješnog završetka obuke polaznicima izdana ovlaštenja

Centre for Viticulture, Enology and Edible Oils Analysis

The Centre for Viticulture, Enology and Edible Oils Analysis (CVEEOA) carries out the administrative procedure for making a decision on putting must, wine and fruit wines on the market, as well as the procedure for the certification of wines with protected designations of origin and the certification of flavoured wine products.

The Centre supervises the harvesting and processing of grapes for the production of wines with special attributes, keeps records of producers and produced quantities of fruit wines, and issues certificates for the export of Croatian wines to third countries. It conducts physiochemical and sensory tests of product quality and issues opinions on quality in official controls. It is also responsible for collecting data, grape samples and the production of authentic wines for the purpose of carrying out isotopic analyses and updating data in the EU Wine Data Bank (EU-WDB).

In 2023:

6,978 decisions on the placement of products on the market were made, approving the placement of

527,242.37 hectolitres of products on the market

- a total of 200 inspections were conducted to verify compliance of wine production with the specifications for protected designations of origin
- **45 inspections** of grape harvesting for the production of wines with special attributes were carried out
- 84 producers were registered in the register of fruit wine producers
- 63 grape samples were collected, processed and microvinified for the production of authentic wines from the 2023 harvest and analysis of stable isotope ratios
- 120 samples of the 2020, 2021, 2022 and 2023 harvests were prepared for conducting isotope analyses for maintaining the Stable Isotope Database and other quality parameters of Croatian wines
- three certificates of compliance with the specification for the PGI (Protected Geographical Indication) 'Samoborski Bermet' were issued
- training sessions for winemakers on proper sampling in the process of issuing Decisions on placing products on the market were organised, and upon successful completion of the training, participants were granted market authorisations

Završeni su projekti:

- **CroViZone** - Prilagodba vinogradarskih zona RH klimatskim promjenama, kojemu je cilj utvrđivanje utjecaja klimatskih promjena na postojeće vinogradarske zone u RH te definiranje preporuke za uspostavu novih
- **WINE-CLIMA-ADAPT** - Prilagodba vinogradarsko-vinarske proizvodnje klimatskim promjenama, kojemu je cilj utvrditi potencijal prilagodbe vinogradarsko-vinarske proizvodnje klimatskim promjenama bez dodatnih ulaganja proizvođača
- **„Utjecaj kultivara i sezone uzgoja na kemijske parametre bučinog ulja“**, projekt koji će, među ostalim, omogućiti pouzdano razlikovanje nepatvorenoga i patvorenoga bučinog ulja na hrvatskom tržištu i povećati povjerenje potrošača u sustav kontrole
- **„Deskriptivne senzorne metode i deskriptori vina Malvasije dubrovačke“**, projekt Odjela za senzorna ispitivanja. Rezultati projekta pomoći će u vrednovanju vina sa ZOI, konkurentnosti hrvatskih vina na tržištu kroz parametre vrednovanja kakvoće utemeljene na specifičnim deskriptorima.



The following projects were completed:

- **CroViZone** – Adaptation of vineyard zones to climate change in the Republic of Croatia, which aimed to determine the impact of climate change on existing wine-growing zones in the Republic of Croatia and make recommendations for the establishment of new ones
- **WINE-CLIMA-ADAPT** – adaptation of viticulture and wine production to climate change, which aimed to determine the adaptation potential of viticulture and wine production to climate change without additional investment by producers
- **The influence of cultivars and growing season on the chemical parameters of pumpkin seed oil**, a project that, among other things, enabled a reliable distinction between unadulterated and adulterated pumpkin seed oil on the Croatian market and increased consumer confidence in the control system
- **Descriptive sensory methods and descriptors of Dubrovnik Malvasia wine**, a project of the Department for Sensory Testing; the project results will assist in evaluating wines with Protected Designation of Origin (PDO), the competitiveness of Croatian wines on the market through quality assessment parameters based on specific descriptors



Centar za zaštitu bilja

Centre for Plant
Protection



3.717

vizualnih
pregleda /
visual inspections

2.903

analiza /
analyses

Centar za zaštitu bilja

Aktivnosti Centra za zaštitu bilja (CZB) stručni su i znanstveni poslovi i zadaće iz područja zaštite bilja, s naglaskom na biljno zdravstvo, dijagnostiku štetnih organizama, ocjenu dokumentacije i procjenu rizika u postupcima odobravanja aktivnih tvari na EU razini, postupcima odobravanja ili izdavanja dozvola za sredstva za zaštitu bilja i biocide, provedbu mjera praćenja, sprječavanja širenja i suzbijanja sredozemne voćne muhe te analizu fizikalno-kemijskih svojstava sredstava za zaštitu bilja.

CZB redovito provodi poslove nadzora štetnih organizama u proizvodnji, uključujući organizme karantenskog statusa, izvještajno-prognozne poslove te edukacije i izobrazbe posjednika bilja i stručnjaka drugih institucija uključenih u poslove zaštite bilja.

Tijekom 2023. godine:

- obavljeno je **3717 vizualnih pregleda** i uzeto 2895 uzoraka štetnih organizama bilja
- provedene su **2903 analize** u dijagnostičkim laboratorijima
- posebnim nadzorom štetnih organizama u Republici Hrvatskoj (2021. – 2025.) bio je obuhvaćen **81 štetni organizam**, što je najveći broj u povijesti provedbe ove aktivnosti od 2002. godine
- provodile su se aktivnosti sprječavanja širenja i suzbijanja štetnih organizama u okviru Akcijskih planova: Akcijski plan za sprječavanje širenja i suzbijanje zlatne žutice vinove loze za razdoblje od 2023. do 2025. godine; Akcijski plan o poduzimanju mjera za sprječavanje širenja i suzbijanje sredozemne voćne muhe – *Ceratitis capitata* (Wiedemann) u dolini rijeke Neretve za razdoblje 2023. – 2025.; Akcijski plan za sprječavanje širenja i suzbijanje azijske strizibube, *Anoplophora chinensis* (Forster, 1771) za razdoblje 2023. – 2025.
- preko informacijskog sustava MOBIDI-PEST praćeno je 68 štetnih organizama te u aplikaciju su unesena ukupno 2953 vizualna pregleda i 1721 zapis o uzimanju uzoraka

Centre for Plant Protection

The activities of the Centre for Plant Protection (CPP) are professional and scientific jobs and tasks in the field of plant protection, with an emphasis on plant health, diagnostics of harmful organisms, evaluation of documentation and risk assessment in procedures for approving active substances at the EU level, procedures of approving or issuing permits for plant protection agents and biocides, implementation of measures for monitoring, preventing the spread and controlling of the Mediterranean fruit fly, and analysis of the physical and chemical properties of plant protection agents.

The Centre regularly monitors harmful organisms in production, including organisms of quarantine status, performs reporting and forecasting tasks, and education and training of plant owners and experts from other institutions involved in plant protection.

In 2023:

- **3717 visual inspections** were conducted and 2895 samples of harmful plant organisms were collected
- **2903 analyses** were conducted in diagnostic laboratories
- the special monitoring of harmful organisms in the Republic of Croatia (2021-2025), included **81 harmful organisms**, the highest number in the history of implementing this activity since 2002
- activities to prevent the spread and control of harmful organisms were carried out within the framework of the Action Plans: Action Plan for Preventing the Spread and Control of Grapevine Flavescence Dorée for the 2023-2025 Period; Action Plan for Measures to Prevent the Spread and Control of the Mediterranean Fruit Fly - *Ceratitis capitata* (Wiedemann) in the Neretva River Valley for the 2023-2025 Period; Action Plan for Preventing the Spread and Control of the Asian Longhorn Beetle, *Anoplophora chinensis* (Forster, 1771) for the 2023-2025 Period
- 68 harmful organisms were monitored using the MOBIDI-PEST information system, with a total of 2953 visual inspections and 1721 sampling records entered into the application

U okviru izvještajno-prognoznih poslova praćena je pojava štetnika, bolesti i korova te je provedeno:

1722 vizualna pregleda i
468 laboratorijskih analiza

U provođenju izobrazbe:

- održano je **17 izobrazbi specijaliziranih subjekata** za izdavanje biljnih putovnica
- provedena je **21 izobrazba iz područja održive uporabe pesticida**
- po prvi puta održane i edukacije u okviru intervencije 78.01. Potpora prenošenju znanja iz Strateškog plana Zajedničke poljoprivredne politike Republike Hrvatske 2023. – 2027. (IAKS MJERE).

U području sredstava za zaštitu bilja:

- završeno je **284 izvješća / stručnih mišljenja** za sredstva za zaštitu bilja u različitim postupcima ocjene dokumentacije i procjene rizika u svrhu donošenja rješenja ili dozvola o registraciji te 4 za biocide
- provedeni su postupci vezani za produljenje odobrenja aktivnih tvari dimetaklor i kizalofop-P-tefuril na razini EU-a za koje RH djeluje u svojstvu države izvjestiteljice (RMS)
- provedeno je **46 inicijalnih procjena rizika** od ostataka pesticida kako bi se procijenio mogući rizik za potrošače i osigurala maksimalna razina zaštite potrošača
- obavljeno je **1080 analiza** fizikalno-kemijskih svojstava sredstava za zaštitu bilja u okviru službenih kontrola te na zahtjev pravnih i fizičkih osoba

CZB je u 2023. započeo projekt:

- iz područja biljnog zdravstva „*Development of crop-based survey tools for plant pests of palms and ornamentals in the EU*“ – čiji će doprinos biti relevantan za sve države članice zbog izrade službenih smjernica za poseban nadzor štetnih organizama ukrasnog bilja i palmi. Projekt traje godinu dana a financira ga Europska agencija za sigurnost hrane (EFSA).

As part of the reporting and forecasting work, the occurrence of pests, diseases and weeds was monitored, and the following actions were carried out:

1722 visual inspections

468 laboratory analyses

The following trainings were organised:

- **17 trainings of specialized entities** for issuing plant passports
- **21 trainings in the field of sustainable use of pesticides**
- for the first time, training sessions were held as part of intervention 78.01. Support for transferring knowledge from the Strategic Plan of the Common Agricultural Policy of the Republic of Croatia 2023 - 2027 (IACS MEASURES)

In the field of plant protection products:

- **284 reports/expert opinions** on plant protection products were completed in various documentation evaluations and risk assessment procedures for the purpose of issuing decisions or permits for registration, as well as 4 for biocides
- procedures related to the extension of the approval of the active substances dimetachlor and quizalofop-P-tefuryl at the EU level were carried out, with the Republic of Croatia acting as a Rapporteur Member State (RMS)
- **46 initial risk assessments** of pesticide residues were carried out to rule out a possible risk for consumers and ensure the maximum level of consumer protection
- **1080 analyses** of the physicochemical properties of plant protection products were conducted as part of official controls and upon requests of legal and natural persons

In 2023, the Centre for Plant Protection:

- started a project in the field plant health titled *Development of crop-based survey tools for plant pests of palms and ornamentals in the EU*, the outcome of which will be relevant for all member states as it will inform the official guidelines for specific monitoring of harmful organisms in ornamental plants and palms; the project will last one year and is financed by the European Food Safety Authority (EFSA)



Centar za stočarstvo

Centre for Livestock
Breeding



99.923

označene domaće
životinje / labeled
domestic animals

2.700

nadzora /
supervision

Centar za stočarstvo

Centar za stočarstvo (CS) obavlja poslove u području stočarstva među kojima su najvažniji: označavanje i registracija domaćih životinja, testiranje rasta i razvoja te proizvodnih odlika (kontrola mliječnosti, ocjena vanjštine itd.) domaćih životinja, genetsko vrjednovanje domaćih životinja, suradnja s uzgojnim udruženjima, prikupljanje uzoraka za banke gena domaćih životinja, potvrđivanje roditeljstva i/ili utvrđivanje DNA profila (DNA analize) domaćih životinja, promocija uzgoja, informiranje i edukacija uzgajivača, te sudjelovanje u programima očuvanja i zaštite izvornih i ugroženih pasmina.

CS provodi specifične tehničke aktivnosti iz uzgojnih programa za 18 uzgojnih udruženja koja su odabrala HAPIH za „treću stranu“, tako da CS provodi aktivnosti za više od 90% uzgojnih udruženja u RH.

Zahvaljujući mreži od 21 područnog ureda usluge CS-a dostupne su uzgajivačima na cijelom području Republike Hrvatske.

U 2023. godini:

označene su i registrirane

99.923 domaće životinje

prikupljeno je

627.758 uzoraka

mlijeka krava i 33.885 uzoraka

mlijeka ovaca i koza u kontroli mliječnosti

ocjenom vanjštine obuhvaćeno je

8.171 krava i

1.478 drugih kategorija domaćih životinja

laboratorijskom analitikom za utvrđivanje DNA profila i/ili potvrđivanje roditeljstva domaćih životinja obrađeno je više od

2.800 uzoraka

domaćih životinja

za banke gena prikupljeno je više od

4.600 bioloških uzoraka

domaćih životinja

kroz Farmski sustav osiguravanja kvalitete u proizvodnji junetine izvršena provjera ispunjavanja uvjeta za više od

2.700 farmi.

Centre for Livestock Breeding

The Centre for Livestock Breeding (CLB) carries out activities in the field of animal husbandry, the most important of which are: labelling and registration of domestic animals, testing of growth, development and production characteristics (control of milk production, evaluation of appearance, etc.) and genetic evaluation of domestic animals, cooperation with breeding associations, collection of samples for gene banks of domestic animals, confirmation of parentage and/or determination of DNA profile (DNA analysis), breeding promotion, informing and educating farmers, and participation in programmes for the preservation and protection of native and endangered breeds.

The Centre for Livestock Breeding conducts specific technical activities from breeding programs for 18 breeding associations that have chosen HAPIH as the "third party", which means that the Centre conducts activities for over 90% of breeding associations in the Republic of Croatia.

Thanks to a network of 21 regional offices, the Centre's services are available to growers throughout the Republic of Croatia.

In 2023:

99,923 domestic animals were labelled and registered

627,758 cow milk samples and **33,885** sheep and goat milk samples were collected for milk yield control

8,171 cows and

1,478 other categories of domestic animals were assessed for external features

more than

2,800 samples were processed using laboratory analyses to determine the DNA profiles and/or confirm parentage

more than

4,600 biological samples of domestic animals were collected for gene banks

through the Farm Quality Assurance System in the production of beef, quality assurance checks were conducted for over

2,700 farms

CS je sudjelovao:

- u radu međunarodnih organizacija kao član **ICAR-a** (International Committee for Animal Recording) i **ISAG-a** (International Society for Animal Genetics) te je nositelj međunarodnih Certifikata kvalitete ICAR-a te ISAG certifikata za usporedni test tipiziranja DNA za konje i goveda - Rank 1.
- u genomskoj selekciji simentalске i holstein pasmine te u međunarodnom **INTERBULL** (International Bull Evaluation Service) sustavu genetskog vrjednovanja bikova
- u aktivnostima na uključenju hrvatske populacije simentalске pasmine goveda u zajednički međunarodni sustav genetskog/genomskog vrjednovanja europske simentalске populacije (Njemačka, Austrija, Češka, Italija, Slovačka, Mađarska, Hrvatska).

CS je bio organizator ili suorganizator:

- jedinstvenog savjetovanja, **1. Dana hrvatskog stočarstva**, i tako okupio sve relevantne dionike iz područja stočarstva koji su u otvorenom sektorskom i međusektorskom dijalogu kreirali prijedloge, rješenja i zaključke koji mogu doprinijeti održivosti i razvoju stočarske proizvodnje u RH u skladu s klimatskim i okolišnim ciljevima
- Rad skupa, na kojem je uz brojna stručna predavanja te panel rasprave i svečano obilježena **110. Obljetnica uzgojno-seleksijskog rada u RH**, organiziran je u više paralelnih sekcija prema stočarskoj grani: 25. savjetovanje uzgajivača ovaca i koza s izložbom hrvatskih ovčjih i kozjih sireva; 18. savjetovanje uzgajivača goveda; 9. savjetovanje uzgajivača konja te 1. Dan uzgajivača izvornih pasmina
- **12 stočarskih izložbi** na lokalnoj, regionalnoj i nacionalnoj razini, pri čemu ističemo **30. Državnu stočarsku izložbu** u Gudovcu
- edukacija poljoprivrednika u sklopu Intervencije 78.01. Potpora prenošenju znanja, s devet predavanja u sedam županija na temu dobrobit životinja u sklopu IAKS mjera ruralnog razvoja
- 25 edukacija diljem RH u sklopu aktivnosti **sprječavanja širenja afričke svinjske kuge**, na kojima je sudjelovalo **oko 1000** uzgajivača svinja, kao i predstavnici HAPIH-ovog Centra za sigurnost hrane (CSH)



The Centre for Livestock Breeding participated in the following activities:

- work of international organisations as a member of **ICAR** (International Committee for Animal Recording) and **ISAG** (International Society for Animal Genetics) and is the holder of international quality certificates from ICAR and ISAG for comparative DNA typing test for horses and cattle – Rank 1
- genomic selection of Simmental and Holstein breeds, as well as in the international **INTERBULL** (International Bull Evaluation Service) genetic evaluation system
- activities involving the inclusion of the Croatian Simmental cattle population in the joint international genetic/genomic evaluation system of the European Simmental population (Germany, Austria, Czech Republic, Italy, Slovakia, Hungary, Croatia)

The Centre for Livestock Breeding organised or co-organised:

- a unique event, **1st Days of Croatian Livestock Breeding**, gathering all relevant stakeholders from the livestock sector who, in an open sectoral and cross-sectoral dialogue, created proposals, solutions and conclusions that can contribute to the sustainability and development of livestock production in the Republic of Croatia aligned with climate and environmental goals ; the event featured expert lectures and panel discussions and marked the **110th anniversary of breeding and selection work** in the Republic of Croatia, and it was organised in several parallel sessions according to livestock branches: 25th Conference of Sheep and Goat Breeders with an Exhibition of Croatian Sheep and Goat Cheeses; 18th Conference of Cattle Breeders; 9th Conference of Horse Breeders and 1st Days of Breeders of Native Livestock Breeds
- **12 livestock exhibitions** at the local, regional and national levels, most notably the **30th State Livestock Exhibition** in Gudovac
- training of farmers as part of Measure 78.01 Intervention: Support for Knowledge Transfer, featuring nine lectures across seven counties on the topic of animal welfare within the framework of IACS rural development measures
- 5 trainings across Croatia as part of activities to **prevent the spread of African swine fever**, attended by **around 1,000** pig breeders and representatives of HAPIH's Centre for Food Safety



Centar za kontrolu kvalitete stočarskih proizvoda

Centre for Quality Control
of Livestock Products

A top-down photograph of a rustic wooden surface. In the center is a wooden honeycomb dipper. To its right is a glass jar filled with honey. Several slices of apples and walnut halves are scattered around the dipper and jar. The wood has a natural, weathered texture with some dark staining.

1.354

uzorka mikotoksi-
na / mycotoxins
samples

794

uzoraka
meda / honey
samples

Centar za kontrolu kvalitete stočarskih proizvoda

Osnovni je cilj i zadaća Centra za kontrolu kvalitete stočarskih proizvoda (CKKSP) prvenstveno poljoprivrednim proizvođačima pružati usluge ispitivanja kvalitete stočarskih proizvoda i tumačenje rezultata ispitivanja u svrhu osiguranja potvrde o vrijednosti njihova proizvoda, a ujedno potrošačima potvrditi kvalitetu i sigurnost proizvoda.

Sva ispitivanja provode se u dva laboratorija u Poljani Križevačkoj: u Središnjem laboratoriju za kontrolu kvalitete mlijeka (SLKM) i Središnjem laboratoriju za kontrolu kvalitete meda i stočne hrane.

U Središnjem laboratoriju za kontrolu kvalitete mlijeka provodi se ispitivanje kvalitete sirovog mlijeka namijenjenog isporuci otkupljivačima, te uzorci mlijeka u okviru kontrole mliječnosti pojedinih grla kao sastavni dio kontrole proizvodnosti u okviru provedbe uzgojnih programa za pojedine vrste i pasmine životinja.

Tijekom 2023. godine u Središnjem laboratoriju za kontrolu kvalitete mlijeka:

- ispitano je **1.561.106 uzoraka mlijeka** krava, ovaca i koza na kemijski sastav, broj somatskih stanica, ukupan broj mikroorganizama te prisutnost inhibitornih tvari (rezultati ispitivanja pokazuju da se 97,1 % mlijeka proizvedenog u Hrvatskoj nalazi u I. razredu kvalitete!)
- svi rezultati laboratorijskih ispitivanja kupcima su dostupni preko web-aplikacije *Pregled analiza uzoraka mlijeka* odnosno *Aplikacije za posjednike* u roku od 48 sati od dostave uzorka mlijeka u SLKM
- osigurano je i ispitivanje uzoraka u svrhu kontrole mliječnosti na dodatne parametre, kao što su diferencirane somatske stanice i ketonska tijela (BHB i aceton) radi pravodobne prevencije ili liječenja akutnog ili kroničnog mastitisa odnosno ketoze.

Centre for Quality Control of Livestock Products

The main goal and task of the Centre for Quality Control of Livestock Products (CQCLP) is primarily to provide agricultural producers with quality testing services for livestock products and the interpretation of test results to provide a certificate of the value of their product, and at the same time to confirm the quality and safety of the product to consumers.

All tests are carried out in two laboratories in Poljana Križevačka: in the Central Laboratory for Milk Quality Control (CLMQC) and in the Central Laboratory for Honey and Feed Quality Control.

The Central Laboratory for Milk Quality Control conducts tests on the quality of raw milk intended for delivery to purchasers, as well as milk samples as part of the milk production control for individual animals, which is an integral part of productivity control within the implementation of breeding programs for specific species and breeds.

In 2023, the Central Laboratory for Milk Quality Control:

- tested **1,561,106 samples** of cow, sheep and goat milk for chemical composition, somatic cell count, total number of microorganisms and the presence of inhibitory substances (test results show that 97.1% of milk produced in Croatia is of 1st class quality!)
- all results of laboratory tests are available to customers via the web application *Milk Sample Analysis Overview* or *Applications for Owners* within 48 hours of delivery of the milk sample to the Centre
- provided testing of samples for the purpose of milk yield control for additional parameters such as differentiated somatic cells and ketone bodies (BHB and acetone) for the timely prevention of acute or chronic mastitis or ketosis

U Središnjem laboratoriju za kontrolu kvalitete meda i stočne hrane provodi se kontrola kvalitete meda, ispitivanje stočne hrane na sadržaj hranjivih tvari i prisutnost mikotoksina, ispitivanje prisutnosti mikotoksina u mlijeku te utvrđivanje bređosti krava, ovaca i koza iz uzoraka mlijeka.

Tijekom 2023. godine u Središnjem laboratoriju za kontrolu kvalitete meda i stočne hrane:

ispitano je

2.442 **uzorka stočne hrane;** osim za osobne potrebe korisnika, ispitivanja kvalitete stočne hrane provođena su i kroz dva projekta – „VI. natjecanje u kvaliteti kukuruzne silaže“ (analizirano 230 uzoraka kukuruznih silaža) te „Analiza voluminozne krme u cilju potpore poljoprivrednim gospodarstvima u mljekarskoj proizvodnji“ (analizirano 300 uzoraka voluminozne krme)

spitana su i

1.354 **uzorka** stočne hrane na prisutnost **mikotoksina**, od čega 845 za potrebe korisnika potpore za mjeru Dobrobit životinja, iz područja poboljšana hranidba

analizirano je

794 **uzorka meda,** uključujući i med sa znakom „Med hrvatskih pčelinjaka“; osim ispitivanja kvalitativnih parametara, laboratorij obavlja i ispitivanja meda na prisutnost ostataka antibiotika i pesticida provedeno je

9.203 **testa**

jedinstvene laboratorijske metode za **rano otkrivanje bređosti** iz uzoraka mlijeka krava, koza i ovaca, prikupljenim tijekom službene kontrole mliječnosti ili prema zahtjevu uzgajivača.

The Central Laboratory for Honey and Feed Quality Control conducts honey quality controls, tests feed for nutrient content and the presence of mycotoxins, tests for the presence of mycotoxins in milk, and determines the pregnancy of cows, sheep and goats from milk samples.

In 2023, the Central Laboratory for Milk Quality Control:

- tested **2,442 feed samples**; in addition to the needs of the users, feed quality tests were also conducted through two projects – *6th Competition on the Quality of Corn Silage* (230 samples of corn silage were analysed) and *Analysis of Coarse Fodder to Support Farms in Dairy Production*" (300 samples of coarse fodder were analysed)
- tested **1,354 feed samples** for the presence of **mycotoxins**, of which 845 were for the needs of beneficiaries from Measure 14 Animal Welfare, focusing on improved feeding practices
- analysed **794 honey samples**, including honey bearing the label *Honey from Croatian Beekeepers*; in addition to testing qualitative parameters, the laboratory also conducts tests on honey for the presence of antibiotic and pesticide residues
- conducted **9,203 lab tests** for the **early detection of pregnancy** of cows, goats and sheep from milk samples, collected during official milk yield controls or upon request from breeders





Centar za sigurnost hrane

Centre for Food Safety

94

obavijesti opoziva /
regarding
notificatins

43

procjene rizika /
risk evaluation

Centar za sigurnost hrane

Aktivnosti Centra za sigurnost hrane (CSH) vezane za specijalizirano područje primijenjenih znanosti – procjenu rizika za zdravlje ljudi i životinja od kemijskih, bioloških i fizikalnih opasnosti u hrani i hrani za životinje, usmjerene su na osiguravanje maksimalne razine zaštite potrošača.

U 2023. godini:

- izdano je Znanstveno mišljenje o izloženosti odrasle populacije Republike Hrvatske akrilamidu u hrani; Znanstveno mišljenje o izloženosti odrasle populacije Republike Hrvatske okratoksinu A (OTA) iz različitih vrsta hrane; Znanstveno mišljenje o izloženosti odrasle populacije Republike Hrvatske olovu iz različitih vrsta hrane
- izrađene su **43 inicijalne procjene rizika** za potrebe Sustava brzog uzbunjivanja (HR RASFF) u okviru kojega je CSH kontakt - točka za procjenu rizika iz hrane, s ciljem ostvarenja maksimalne razine zaštite potrošača
- izrađena je Preliminarna procjena rizika za kadmij, olovo i policikličke aromatske ugljikovodike u hrani, tri Procjene rizika za kvantificirane rezultate i rezultate iznad najvećih dopuštenih količina vezano za kadmij, zbroj dioksina i polikloriranih bifenila sličnih dioksinima u različitim vrstama hrane biljnog i životinjskog podrijetla te sveobuhvatno Znanstveno mišljenje o rizicima za zdravlje ljudi od kemijskih opasnosti u hrani vezano za požar u tvrtki za gospodarenje otpadom
- objavljene su **94 obavijesti** za potrošače o povlačenjima i/ili opozivima hrane i hrane za životinje na mrežnoj stranici HAPIH-a, kao i na HAPIH-ovim društvenim mrežama, s ciljem maksimalne transparentosti sustava i što većeg dosega predmetnih obavijesti.

Centre for Food Safety

The activities of the Centre for Food Safety (CFS) related to the specialized field of applied sciences – risk assessment for human and animal health from chemical, biological, and physical hazards in food and feed, are aimed at ensuring the maximum level of consumer protection.

In 2023:

- a Scientific Opinion was issued regarding the exposure of the adult population of the Republic of Croatia to acrylamide in food; a Scientific Opinion on the exposure of the adult population of the Republic of Croatia to ochratoxin A (OTA) from various types of food; and a Scientific Opinion on the exposure of the adult population of the Republic of Croatia to lead from various types of food
- **43 initial risk assessments** were made for the needs of the Rapid Alert System for Food and Feed (HR RASFF), within which the Centre serves as the contact point for food risk assessment, aiming to achieve the maximum level of consumer protection
- conducted a Preliminary Risk Assessment for cadmium, lead and polycyclic aromatic hydrocarbons in food, three Risk Assessments for quantified results and results above the maximum permitted levels related to cadmium, the sum of dioxins and dioxin-like polychlorinated biphenyls in various types of food of plant and animal origin, and a comprehensive Scientific Opinion on the risks to human health from chemical hazards in food related to a fire at a waste management company
- published **94 notifications** for consumers regarding withdrawals and/or recalls of food and feed on the HAPIH website, as well as on HAPIH's social media platforms, aiming for maximum transparency of the system and the widest possible reach.

CSH je:

- osnovano je 8 multidisciplinarnih i multiinstitucionalnih stručnih tijela u čiji je rad bilo uključeno 40-ak vanjskih znanstvenika, kako bi se osigurala visoka znanstvena kvaliteta u izradi znanstvenih mišljenja i postigla visoka razina zaštite od rizika
- sudjelovao u izradi „Nacionalnog izvješća Sustava brzog uzbunjivanja za hranu i hranu za životinje (RASFF), Administrativne pomoći i suradnje (AAC sustav) i Sustava za prijevarne radnje (FF) za 2023. godinu“.

Kao **nacionalna kontakt-točka** EFSA-e je:

- aktivno provodio i nacionalnu komunikacijsko-edukativnu kampanju **„EU bira sigurnu hranu“** s nizom aktivnosti, među kojima i predstavljanjem rezultata HAPIH-ovog istraživanja o navikama hrvatskih građana vezanim uz kupovanje, pripremu i čuvanje hrane
- aktivno provodio komunikacijsku kampanju **„Zaustavite afričku svinjsku kugu“**
- bio suorganizator i domaćin 4. Jesenske škole „Jačanje kapaciteta IPA zemalja u području procjene rizika i komunikacije o riziku“, kojoj je nazočilo 20 sudionika iz šest pretpripravnih zemalja, kandidatkinja za članstvo u EU-u
- zaprimio **143** različitih informacija/upita o kojima je komunicirano s relevantnim institucijama u Nacionalnoj mreži institucija u području sigurnosti hrane i hrane za životinje

CSH je realizirao ili sudjelovao u realizaciji desetak projekata među kojima su i:

- Nacionalno istraživanje prehrambenih navika odrasle populacije
- Određivanje prisutnosti THC-a i ostalih kanabinoida u različitim vrstama hrane od industrijske konoplje na tržištu Republike Hrvatske
- razvoj softverskog alata za statističko modeliranje i zaključivanje o rizicima od kronične izloženosti kontaminantima u statističkom programskom jeziku R
- uspostava Baze podataka službenih kontrola hrane i hrane za životinje
- razvoj europskog okvira za koordiniranu komunikaciju, razvoj koncepta **European excellence label** za edukacije iz područja procjene rizika te angažman, suradnja i partnerstvo, za koji EFSA dodatno financira tzv. *tailor-made activity* (u dva projektna zadatka CSH je koordinator aktivnosti).

Uspješno je prijavljen projekt „Establishment of a coordinated disease surveillance system (in Croatia) in accordance with the One Health approach (CROOH)“, ukupne vrijednosti oko 900.000 eura, koji će trajati od 2024. do 2026. godine.

The Centre for Food Safety has:

- established eight multidisciplinary and multi-institutional expert bodies, involving around 40 external scientists, to ensure high scientific quality in the preparation of scientific opinions and achieve a high level of risk protection
- participated in the preparation of the “National Report of the Rapid Alert System for Food and Feed (RASFF), Administrative Assistance and Cooperation (AAC System) and the Food Fraud System (FF) for the year 2023”

As the EFSA's **national contact point** the Centre has:

- actively implemented the national communication and educational campaign **EU Chooses Safe Food**, featuring a series of activities, including the presentation of the results of HAPIH's research on the habits of Croatian citizens related to buying, preparing and storing food
- actively conducted the communication campaign **Stop African Swine Fever**
- co-organised and hosted the 4th Autumn School *Capacity Building for IPA Countries in Risk Assessment and Risk Communication*, attended by 20 participants from six pre-accession and EU candidate countries
- received **143** different notifications/queries which were communicated to relevant institutions in the National network of institutions in the field of food and feed safety

The Centre for Food Safety has implemented or participated in around ten projects, including:

- Croatian national food consumption survey on adults
- Determination of the presence of THC and other cannabinoids in different types of industrial hemp food on the market of the Republic of Croatia
- development of a software tool for statistical modelling and inference about the risks of chronic exposure to contaminants in the statistical programming language R
- establishment of a Database of official food and feed controls
- development of the European framework for coordinated communication, development of the **European Excellence Label** concept for education in the field of risk assessment and engagement, cooperation and partnership, for which EFSA additionally finances the so-called tailor-made activity (the Centre for Food Safety coordinates activities in two project tasks)

The project *Establishment of a coordinated disease surveillance system (in Croatia) in accordance with the One Health approach (CROOH)* was been successfully submitted. The total value of the project is around 900,000 euros, and it will run from 2024 to 2026.

Znak „Hrana s hrvatskih farmi i polja“ – pouzdan putokaz do domaćeg proizvoda

Label Food from Croatian Farms
and Fields – a reliable guide to
domestic products

UZGOJENO U RH

Meso
HRVATSKIH
FARMI**Jaja**HRVATSKIH
FARMI**Mlijeko**
HRVATSKIH
FARMI**2.000**domaćih proizvo-
da / domestic
products**908**proizvođača /
producers

Znak „Hrana s hrvatskih farmi i polja“ – pouzdan putokaz do domaćeg proizvoda

Građanima Hrvatske podrijetlo proizvoda među tri je najvažnija čimbenika pri odluci o kupnji, odmah iza kvalitete i cijene. To im upravo jamči znak **Hrana s hrvatskih farmi i polja** – znak pouzdane sljedivosti od polja do stola.

Taj je prepoznatljivi znak, kao brza i jasna informacija o podrijetlu proizvoda, kupcima najbolji putokaz do gotovo **2 000 domaćih proizvoda**.

Nositelj tog neobveznog sustava označavanja na nacionalnoj razini jest Hrvatska agencija za poljoprivredu i hranu, koja promocijom znaka doprinosi poticanju potrošnje domaćih proizvoda, a time i poticanju hrvatske proizvodnje.

Kupnjom domaćih proizvoda sa znakom *Hrana s hrvatskih farmi i polja* potrošači:

- daju potporu lokalnim proizvođačima i tako doprinose očuvanju radnih mjesta
- omogućuju opstanak života u ruralnim krajevima
- osiguravaju budućnost hrvatske poljoprivrede.

Poljoprivredni proizvođači uvođenjem toga znaka u svoju proizvodnju:

- daju proizvodu dodanu vrijednost
- podižu vidljivost i prepoznatljivost te postižu sigurniji plasman na tržištu
- jačanjem tržišne pozicije osiguravaju opstojnost i povećanje proizvodnje.

I u 2023. godini bilježimo rast kako broja korisnika tako i broja poljoprivredno-prehrambenih proizvoda označenih znakom *Hrana s hrvatskih farmi i polja* u odnosu na prethodne godine.

Tako je u HAPIH-ov sustav označavanja do 31. prosinca 2023. godine uključeno ukupno **908 proizvođača** koji znakove iz ovog programa koriste na poljoprivredno-prehrambenim proizvodima – mesu i proizvodima od mesa, mlijeku i mliječnim proizvodima, jajima, brašnu i medu te mljekomatima i jajomatima ili proćeljima svojih proizvodnih farmi.



Label *Food from Croatian Farms and Fields* – a reliable guide to domestic products

For Croatian citizens, product origin is among the three most important factors when making a purchase decision, right after quality and price. This is exactly what is guaranteed by the ***Food from Croatian Farms and Fields*** logo – a sign of reliable traceability from field to fork.

This distinctive label, providing quick and clear information about the origin of the product, is the best guide for customers to more than **2000 domestic products**.

The holder of this non-mandatory labelling system at the national level is the Croatian Agency for Agriculture and Food, which by promoting the label stimulates the consumption of domestic products, thereby supporting Croatian production.

By buying products labelled as *Food from Croatian Farms and Fields*, consumers:

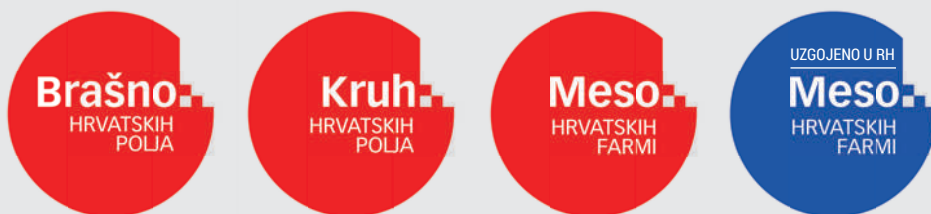
- support local producers and thus contribute to the preservation of jobs
- preserve life in rural areas
- ensure the future of Croatian agriculture

By introducing this sign in their production, farmers:

- give their product added value
- increase visibility and recognition and achieve a more secure placement on the market
- strengthen their market position, ensure the sustainability and increase of production

In 2023, we also recorded an increase in both the number of users and the number of agricultural and food products labelled as *Food from Croatian Farms and Fields* compared to previous years.

By 31 December 2023, a total of **908 producers** who use labels from this programme on agricultural and food products – meat and meat products, milk and milk products, eggs, flour and honey, as well as milk and egg vending machines and their farm façades – were included in the HAPIH labelling system.



Broj korisnika programa neobveznog označavanja (2020. – 2023. godina)

Naziv programa	Br korisnika programa 2020.	Br korisnika programa 2021.	Br korisnika programa 2022.	Br korisnika programa 2023.
Meso hrvatskih farmi	67	152	152	163
Mlijeko hrvatskih farmi	51	52	45	53
Jaja hrvatskih farmi	19	20	18	21
Brašno hrvatskih farmi	9	11	11	12
Med hrvatskih pčelinjaka	370	535	639	659
UKUPNO	516	770	865	908

Evidentan je i kontinuirani trend porasta ukupnog broja označenih proizvoda krovnim znakom *Hrana s hrvatskih farmi i polja*.

Tako je:

2020. godine bilo ukupno

1197 proizvoda

2021. godine bilo ukupno

1545 proizvoda

2022. godine bilo ukupno

1878 proizvoda

2023. godine bilo ukupno

1978 proizvoda s krovnom oznakom

Hrana s hrvatskih farmi i polja.

Number of users of the voluntary labelling programme (2020-2023)

Programme	Number of users in 2020	Number of users in 2021	Number of users in 2022	Number of users in 2023
Meat from Croatian Farms	67	152	152	163
Milk from Croatian Farms	51	52	45	53
Eggs from Croatian Farms	19	20	18	21
Flour from Croatian Fields	9	11	11	12
Honey from Croatian Beekeepers	370	535	639	659
TOTAL	516	770	865	908

The continuous trend of increasing the total number of products labelled with the umbrella label *Food from Croatian Farms and Fields* is also evident.

Thus:

in 2020, there was a total of

1197 products

in 2021, there was a total of

1545 products

in 2022, there was a total of

1878 products

in 2023, there was a total of

1978 products with the umbrella label *Food from Croatian Farms and Fields*





Cjelovito godišnje izvješće možete pronaći na našoj mrežnoj stranici
www.hapih.hr.

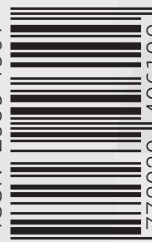
The complete 2023 Annual Report can be found on our website:
www.hapih.hr.



Hrvatska agencija za
poljoprivredu i hranu

Vinkovačka cesta 63c, 31000 Osijek
T: +385 31 275 200, E: hapih@hapih.hr
www.hapih.hr

ISSN 2939-4961



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