

Innovative factors

Intensive model of dual use of area

— implementation of the technology of growing crops twice per season without loss of crop quality.

Transplant method for onion cultivation

— shortens the growing season and allows the area to be cleared earlier.

Flexible crop rotation system

— adaptation of sowing and harvesting dates to specific climatic conditions.

Increasing economic efficiency without land expansion

— is especially relevant for small farms.

Scalability potential

— the technology is easily adapted to different regions and areas.

Ecological component

— more efficient use of resources (soil, moisture, fertilizers) without additional environmental impact

"DOUBLE BENEFIT" — IS AN INNOVATIVE

AGRICULTURAL APPROACH THAT ALLOWS FOR TWO HARVESTS (ONION + CARROT) FROM A SINGLE PLOT IN ONE SEASON, INCREASING PRODUCTION PROFITABILITY AND THE EFFICIENCY OF LAND RESOURCE USE.



Ukraine, Vinnytsia, 3 Sonyachna St.
tel. +38 (0432) 43-72-33
mob. +38-068-112-68-20

OUR PROJECT TEAM



IHOR DIDUR

PROJECT LEAD

DIRECTOR OF ESI OF
AGROTECHNOLOGY AND NATURE
MANAGEMENT DR. SC. (AGR.),
PROFESSOR



TETYANA ARALOVA

PROJECT MANAGER

PHD (AGR.), SENIOR LECTURER AT THE
DEPARTMENT OF BOTANY, GENETICS
AND PLANT PROTECTION



OLEH OLIINYK

CHIEF STRATEGIC AGRONOMIST

3RD-YEAR STUDENT SPECIALTY:
AGRONOMY



DANYLO SEMENIUK

RESPONSIBLE PERFORMER

2ND-YEAR STUDENT, SPECIALTY:
PLANT PROTECTION AND
QUARANTINE



MAKSYM PLAKHOTNYI

RESPONSIBLE PERFORMER

1ST-YEAR STUDENT SPECIALTY:
AGRONOMY

**VINNYTSIA NATIONAL
AGRICULTURAL UNIVERSITY**
EDUCATIONAL-SCIENTIFIC INSTITUTE
OF AGROTECHNOLOGIES AND
ENVIRONMENTAL MANAGEMENT



DOUBLE BENEFIT

WE DON'T JUST GROW CROPS — WE EARN THE
MAXIMUM FROM EVERY HECTARE



Vinnytsia 2026

Startup Idea

The idea is based on the principle of intensive farming and the rational use of sowing areas, which involves:

- obtaining two harvests per season;
- combining crops with different growing seasons;
- optimization of production costs and increasing profitability.



Who is this project aimed at?

The project is aimed at both farms and small agricultural enterprises seeking to increase profitability without expanding their land bank.

WHY EXACTLY OUR STARTUP PROJECT "DOUBLE BENEFIT"

Today, all farms strive to maximize profits in vegetable growing through lower costs for seeds and plant protection products, as well as by minimizing the area that requires maintenance. We propose using the field area twice per season, which becomes possible thanks to properly selected vegetable crops. The "Double Benefit" startup is aimed at increasing the efficiency of agricultural land use by combining the cultivation of two vegetable crops on the same area during one growing season.

The essence of the project lies in growing onions using the transplant method to obtain early produce (June), after which carrots are sown on the cleared plot to form a second harvest by the end of the season.

This approach allows for the most efficient use of soil and climatic resources, reduces land downtime, and achieves a double economic result from a single area..

Startup Advantages

- Double harvest from one area**
— obtaining two crops during one season significantly increases economic efficiency.
- Early market entry**
— selling early onions in June ensures a higher product price.
- Rational land use**
— no downtime between crops.
- Reduction of production costs**
— using a single plot reduces costs for soil cultivation and infrastructure.
- Optimization of labor resources**
— work is distributed over time, which reduces peak loads.
- Agronomic feasibility**
— onions and carrots pair well in crop rotation and do not deplete the soil in the same way.

Economic efficiency of the "Double Benefit" startup (per 1 hectare)

Indicator	Onion	Carrot	Together
Gross collection	60 t (tonne)	80 t	140 t
Average selling price	30 000 UAH/t	8 000 UAH/t	—
Revenue	1 800 000 UAH	640 000 UAH	2 440 000 UAH
Production costs	500 000 UAH	300 000 UAH	800 000 UAH
Cost per 1 t (tonne)	8 333 UAH	3 750 UAH	—
Net profit	1 300 000 UAH	340 000 UAH	1 640 000 UAH
Profitability level	260%	113%	205%
Payback period	0,38 years	0,88 years	0,49 years

