



NDSU  
Research  
Foundation

FY2025

# Annual Report



# About Us



The NDSU Research Foundation is a nonprofit organization established in 1989 to facilitate the commercialization of NDSU's scientific discoveries, technologies, and innovations. The foundation operates independently to connect NDSU with business and industry, both domestically and internationally, supporting research and educational activities through licensing income. The foundation helps NDSU faculty engage in research and business ventures while fostering partnerships to bring intellectual property to market.

## Contact Us



(701) 231-6681



INFO@NDSURF.ORG



NDSURESEARCHFOUNDATION.ORG



# FY25

## Board of Directors



**DAVID COOK**  
PRESIDENT, NDSU



**COLLEEN FITZGERALD**  
VICE PRESIDENT FOR  
RESEARCH AND  
CREATIVE ACTIVITY,  
NDSU



**RICHARD RAYL**  
CHIEF OPERATIONS  
OFFICER, SUPERIOR  
MANUFACTURING



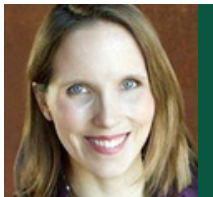
**GREG LARDY**  
VP FOR AGRICULTURAL AFFAIRS  
& DEAN, NDSU; DIRECTOR, ND  
AGRICULTURAL EXPERIMENT  
STATION & EXTENSION



**ALAN  
KALLMEYER**  
DEAN COLLEGE OF  
ENGINEERING, NDSU



**DAVID BERTOLINI**  
PROVOST, NDSU



**KATIE HASBARGEN**  
EXECUTIVE COMMUNICATIONS  
DIRECTOR, MICROSOFT



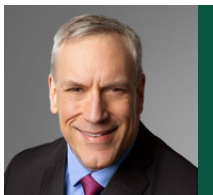
**JAMES BROTEN**  
OWNER & OPERATOR,  
BROTEN FARMS



**MARK BIRDSALL**  
OWNER, BIRDSALL GRAIN &  
SEED



**RODNEY HOWE**  
CO-OWNER, HOWE  
ENTERPRISES



**JAMES BROWN**  
CEO & CO-FOUNDER,  
AGATHOS BIOLOGICS



**JOHN HANISH**  
SHAREHOLDER, MAYNARD  
NEXSEN



**RYAN RAGUSE**  
PRESIDENT & CO-FOUNDER,  
BUSHEL

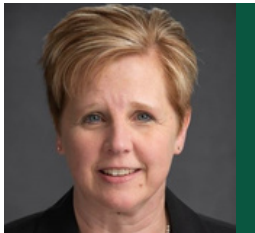
# Meet Our Team



**ZANE GERNHART**  
EXECUTIVE DIRECTOR



**JOYCELYN LUCKE**  
ASSISTANT DIRECTOR FOR  
BUSINESS DEVELOPMENT



**JOSIE HAYDEN**  
BUSINESS DEVELOPMENT &  
LICENSE MANAGER



**MCKENNA TYSDAL**  
BUSINESS DEVELOPMENT &  
LICENSING ADMINISTRATOR

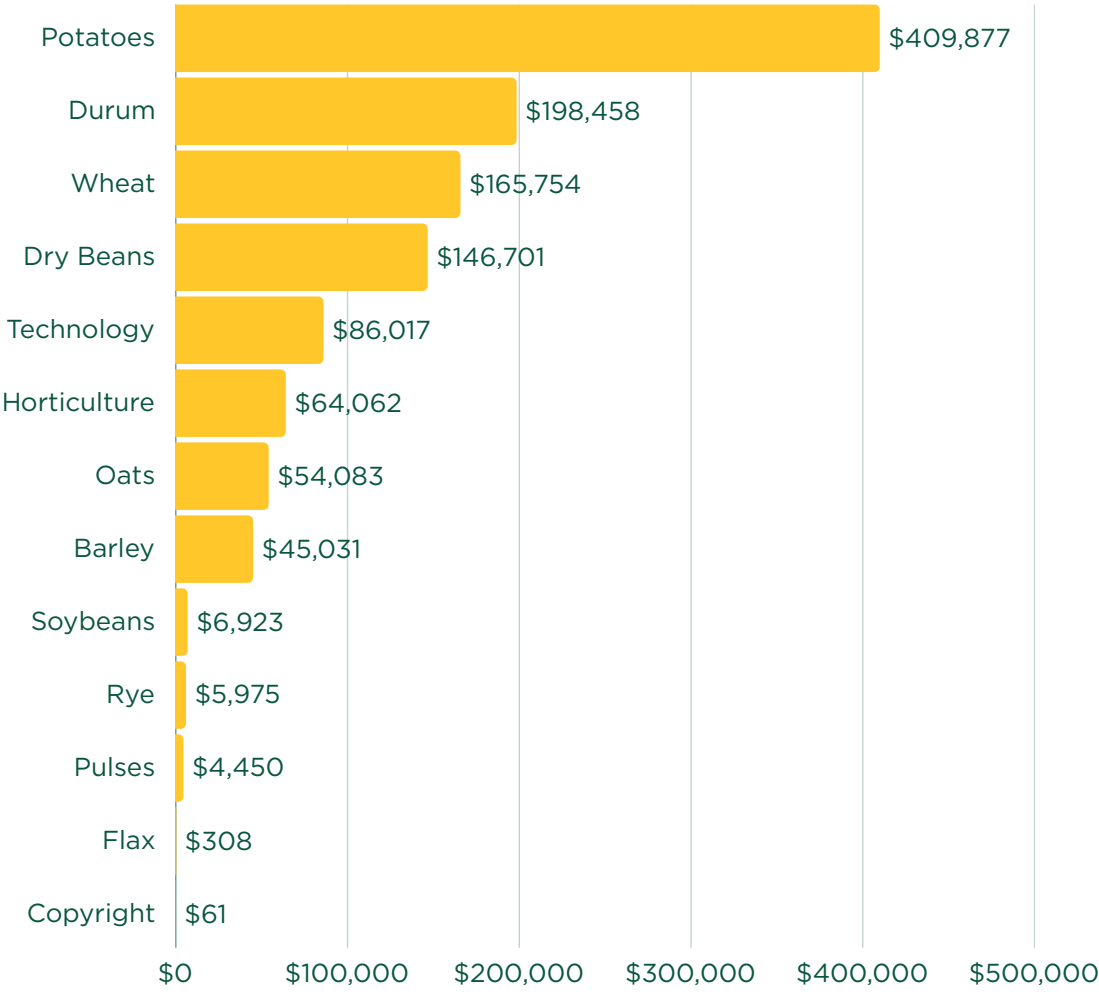
**AGUSTIN PATRONI**  
COMMERCIALIZATION  
ANALYST INTERN

**BOHDAN IVANYSHYN**  
COMMERCIALIZATION  
ANALYST INTERN

# Revenue by Variety/Technology



July 24 - June 25



## Overview

**\$1.1M**  
Royalty/  
License  
Revenue

**\$773K**  
Royalty  
Distribution

43

Invention Disclosures

23

Patents Filed  
(Provisionals, Utilities, PCT, etc.)

3

PVP Applications Filed

4

Trademarks Filed

# Patents, Trademarks & Plant Protections Issued July '24 – June '25



| Tech ID | Number    | Intellectual Property Title          | Inventor(s)                                                             | Country                  | Application Type               |
|---------|-----------|--------------------------------------|-------------------------------------------------------------------------|--------------------------|--------------------------------|
| RFM-85  | 7,438,676 | Limeburst®                           | Connor Hagemeyer,<br>Gregory Morgenson,<br>Todd West                    | United States of America | Trademark                      |
| RFP-340 | 202300070 | 'ND Polar' navy bean                 | Juan Osorno                                                             | United States of America | Plant Variety Protection (PVP) |
| RFP-344 | 202300389 | 'Dakota Dawn' pinto potato           | Neil Gudmestad,<br>Julie Pasche, Gary Secor,<br>Asunta (Susie) Thompson | United States of America | Plant Variety Protection (PVP) |
| RFP-345 | 202300271 | 'ND Redbarn' dark red kidney bean    | Juan Osorno                                                             | United States of America | Plant Variety Protection (PVP) |
| RFP-346 | 202300270 | 'ND Rodeo' slow darkening pinto bean | Juan Osorno                                                             | United States of America | Plant Variety Protection (PVP) |
| RFP-348 | 202300362 | 'ND Spilde' oat                      | Michael McMullen,<br>Sepehr Mohajeri Naraghi                            | United States of America | Plant Variety Protection (PVP) |
| RFP-349 | 202300361 | 'ND Carson' oat                      | Michael McMullen,<br>Sepehr Mohajeri Naraghi                            | United States of America | Plant Variety Protection (PVP) |
| RFP-350 | PP36,419  | 'ND213' grape                        | Harlene Hatterman-Valenti,<br>John Stenger                              | United States of America | Plant Patent                   |
| RFP-351 | PP36,385  | 'ND054.27' grape                     | Harlene Hatterman-Valenti,<br>John Stenger                              | United States of America | Plant Patent                   |
| RFP-355 | 202400369 | 'ND Rosalind' pink bean              | Juan Osorno                                                             | United States of America | Plant Variety Protection (PVP) |

# Patents, Trademarks & Plant Protections Issued July '24 – June '25



| Tech ID | Number            | Intellectual Property Title                                                                                      | Inventor(s)                                                                                                                                                | Country                  | Application Type |
|---------|-------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|
| RFT-514 | 12,202,806        | Eco-Friendly Materials and Methods for Renewable and Sustainable Applications in Material Chemistry              | Anthony Clay, Akila Iyer, Rethesh Krishnan, Ramya Raghunathan, Saravana Rajendran, Mukund Sibi, Ravichandranath Singathi, Jayaraman Sivaguru, Dean Webster | United States of America | Divisional (DIV) |
| RFT-583 | 3997077           | Novel Bio-Based Diols from Sustainable Raw Materials, Uses Thereof to Make Diglycidyl Ethers, and Their Coatings | Deep Kalita, Eric Serum, Mukund Sibi, Catherine Sutton, Dean Webster                                                                                       | Europe                   | Nationalized PCT |
| RFT-583 | 60 2020 051 758.8 | Novel Epoxy Resins from Bio-Based Diols and Their Coatings                                                       | Deep Kalita, Eric Serum, Mukund Sibi, Catherine Sutton, Dean Webster                                                                                       | Germany                  | Nationalized PCT |
| RFT-583 | 3997077           | Novel bio-based diols from sustainable raw materials, uses thereof to make diglycidyl ethers, and their coatings | Deep Kalita, Eric Serum, Mukund Sibi, Catherine Sutton, Dean Webster                                                                                       | France                   | Nationalized PCT |
| RFT-583 | 3997077           | Novel bio-based diols from sustainable raw materials, uses thereof to make diglycidyl ethers, and their coatings | Deep Kalita, Eric Serum, Mukund Sibi, Catherine Sutton, Dean Webster                                                                                       | Netherlands              | Nationalized PCT |
| RFT-588 | 12,023,816        | Amphiphilic Surface-Modifying Additives to Improve Fouling-Release of Marine Coatings                            | AliReza Rahimi, Dean Webster                                                                                                                               | United States of America | Utility (UTIL)   |
| RFT-595 | 12,179,415        | Additive Manufacturing Composites with Flow Induced Fiber Alignment                                              | Michael Holthaus, Patrick Simpson, Chad Ulven                                                                                                              | United States of America | Utility (UTIL)   |



# Patents, Trademarks & Plant Protections Issued

## July '24 – June '25



| Tech ID | Number     | Intellectual Property Title                                                                                                                                           | Inventor(s)                                                                           | Country                  | Application Type           |
|---------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------|----------------------------|
| RFT-601 | 12,195,640 | Curable Coating Compositions Comprising Nanoparticle-Polymer Compositions and Superamphiphobic Nanoparticles Having Anti-Corrosion and Superamphiphobicity Properties | Zhibin Lin, Xingyu Wang                                                               | United States of America | Utility (UTIL)             |
| RFT-614 | 12252590   | Acetoacetylated and (Meth)Acrylated Resin Compositions and Thermosets and Foams Therefrom                                                                             | Karan Bansal, Alexander Hart, Eric Krall, Mohiuddin Quadir, Kelly Sutko, Dean Webster | United States of America | Continuation in Part (CIP) |