

2023-2024 Apple Funding Meeting  
Wednesday, March 8, 2023  
Jordan Hall – Room 210 (Smaller room by the auditorium)

**In Person:**

Ted Furber  
Chip Bailey  
Jonathan Oakes  
Kevin Bittner  
Bobby Brown  
Bill Shattuck

**Zoom attendees:**

Peter Ten Eyck  
Joy Crist  
Charles Hurd

10 am – Come to order – Ted Furber

10am -12 noon - Review proposals

12-12:30 – Lunch

12:30 –2:00pm Review Proposals

2:00 pm – Bill Shattuck Ag & Markets

- Grower Reports
  - 2022 Crop Year Overview
  - 2023 Outlook
  - Industry Issues
  
- ARDP Board Motions
  - 2022-23 Budget Determination
  - 2022-23 Carryover Funds
  - 2022-23 Assessment Rate

# Apple Research and Development Program Comparative Balance Sheet

As of

ARDP Account Balance  
 (As of 3/6/23)

		Mar 6, 23
<b>ASSETS</b>		
<b>Current Assets</b>		
Checking/Savings		
ESD	635,758.18	
<b>Total Checking/Savings</b>	635,758.18	
<b>Accounts Receivable</b>		
Accounts Receivable		
Assessments Receivable	0.00	
<b>Total Accounts Receivable</b>	0.00	
<b>Total Accounts Receivable</b>	0.00	
<b>Other Current Assets</b>		
Due From Other Funds	0.00	
<b>Total Other Current Assets</b>	0.00	
<b>Total Current Assets</b>	635,758.18	
<b>TOTAL ASSETS</b>	635,758.18	
<b>LIABILITIES &amp; EQUITY</b>		
<b>Liabilities</b>		
<b>Current Liabilities</b>		
Accounts Payable		
Accounts Payable	0.00	
Travel Payable	0.00	
Contract Payments Payable	0.00	
<b>Total Accounts Payable</b>	0.00	
<b>Total Current Liabilities</b>	0.00	
<b>Total Liabilities</b>	0.00	
<b>Equity</b>		
Net Income	328,418.47	
Fund Balance	319,458.67	
<b>Total Equity</b>	647,877.14	
<b>TOTAL LIABILITIES &amp; EQUITY</b>	647,877.14	

## Apple Research and Development Program Collections Report

	<u>Apr 1, '22 - Mar 6, 23</u>	<u>Apr 1, '21 - Mar 6, 22</u>	<u>\$ Change</u>
<b>Ordinary Income/Expense</b>			
<b>Income</b>			
<b>Assessments</b>			
<b>Process</b>			
Process 2022	186,136.45	0.00	
Process 2021	74,064.42	164,205.77	
Process 2020	6,892.70	75,619.01	
Process 2019	1,537.25	0.00	
<b>Total Process</b>	<u>268,630.82</u>	<u>239,824.78</u>	28,806.04
<b>Fresh</b>			
Fresh 2021	87,291.03	58,050.20	
Fresh 2022	49,640.24	0.00	
Fresh 2020	1,995.38	67,923.59	
Fresh 2019	1,756.93	0.00	
<b>Total Fresh</b>	<u>140,683.58</u>	<u>125,973.79</u>	14,709.79
<b>Total Assessments</b>	<u>409,314.40</u>	<u>365,798.57</u>	43,515.83
<b>Total Income</b>	<u>409,314.40</u>	<u>365,798.57</u>	43,515.83
<b>Net Ordinary Income</b>	<u>409,314.40</u>	<u>365,798.57</u>	43,515.83
<b>Net Income</b>	<u><b>409,314.40</b></u>	<u><b>365,798.57</b></u>	<u><b>43,515.83</b></u>

# Apple Research and Development Program Collections Report

	<u><u>% Change</u></u>
<b>Ordinary Income/Expense</b>	
<b>Income</b>	
<b>Assessments</b>	
<b>Process</b>	
Process 2022	
Process 2021	
Process 2020	
Process 2019	
<b>Total Process</b>	12.01%
<b>Fresh</b>	
Fresh 2021	
Fresh 2022	
Fresh 2020	
Fresh 2019	
<b>Total Fresh</b>	11.68%
<b>Total Assessments</b>	<u>11.9%</u>
<b>Total Income</b>	<u>11.9%</u>
<b>Net Ordinary Income</b>	<u>11.9%</u>
<b>Net Income</b>	<u><u>11.9%</u></u>

**ARDP Prior Year Collections  
(April - Mar.)**

Year	Fresh Collections	Process Collections	Total Collections	Yr. to Yr. Change (Amount)	Yr. to Yr. Change (Percentage)
2012	\$ 105,815.16	\$ 174,152.65	\$ 279,967.81		
2013	\$ 117,463.74	\$ 279,376.68	\$ 396,840.42	\$ 116,872.61	42%
2014	\$ 173,894.73	\$ 252,804.18	\$ 426,698.91	\$ 29,858.49	8%
2015	\$ 164,375.93	\$ 275,256.99	\$ 439,632.92	\$ 12,934.01	3%
2016	\$ 155,610.73	\$ 280,059.87	\$ 435,670.60	\$ (3,962.32)	-1%
2017	\$ 148,062.11	\$ 249,237.80	\$ 397,299.91	\$ (38,370.69)	-9%
2018	\$ 157,220.45	\$ 283,771.36	\$ 440,991.81	\$ 43,691.90	11%
2019	\$ 147,044.25	\$ 257,277.56	\$ 404,321.81	\$ (36,670.00)	-8%
2020	\$ 153,007.41	\$ 243,986.96	\$ 396,994.37	\$ (7,327.44)	-2%
2021	\$ 131,364.28	\$ 252,072.03	\$ 383,436.31	\$ (13,558.06)	-3%
2022	\$ 140,683.58	\$ 268,630.82	\$ 409,314.40		
<b>Average Collection</b>	<b>\$ 144,958.40</b>	<b>\$ 256,056.99</b>	<b>\$ 401,015.39</b>		

\*Current year collections as of 3/6/23. Compared to prior year at this time, collections are up about 12%.

Researcher	Project Title	Amount Requested
Basedow, Michael	Evaluating Systemic Herbicide Uses to Control Problematic Perennial Weeds in New York	\$24,540
Brown, Susan	Evaluating Systemic Herbicide Uses to Control Problematic Perennial Weeds in New York	\$116,112
Buono, Jared	Pomology Research in the Hudson Valley	\$22,066
Cheng, Lailiang	Further Development of Peel Sap Analysis for Managing Bitter Pit Risk in 'Honeycrisp'	\$54,099
Cheng, Lailiang	'Honeycrisp' Zonal Leaf Chlorosis	\$33,297
Cox, Kerik	Improving the implementation of disease forecasting systems and improving the feasibility of using integrating biopesticides to mitigate regulatory concerns with multi-site fungicides.	\$39,826
Cox, Kerik	Implementation of supplemental UV light to suppress apple scab and powdery mildew	\$39,826
Danforth, Brian	Native Bee Enrichment for Resilient and Sustainable Apple Pollination Services	\$55,617
Donahue, Dan	Developing FQM and Refrigerated Storage Recommendations for the 'Ambrosia' Apple in the Hudson Valley of New York State	\$39,174
Donahue, Dan	Learning to Use Gibberellins G7 for Managing Return Bloom in Honeycrisp	\$21,327
Fuchs, Marc	Assessing the seed transmissibility of apple viruses	\$29,784
Jiang, Yu	Evaluating Digital Agriculture Tools for Quantification of Apple Crop Load from Dormancy to Pre-harvest	\$19,824
Khan, Awais	Identification of genetic targets of fire blight resistance and susceptibility for genome-editing and apple breeding	\$46,316
Khan, Awais	Identifying New Sources of Resistance to Apple Scab: A Promising Path to Increasing Orchard Profitability	\$54,656
Londo, Jason	Adapting New York apple production to climate change	\$72,056
Peck, Greg	User-Friendly Pollen Tube Growth Models for Commercially Important Cultivars in New York	\$49,051
Rivera, Monique	Comparing multi-species dispensers for mating disruption of codling moth and oriental fruit moth	\$43,409
Robinson, Terence	Orchard Systems and Rootstocks for Improved Yield and Fruit Quality	\$88,378
Robinson, Terence	Precision Orchard Management	\$100,766
Robinson, Terence	A Statewide Effort to Manage Crop Load, Nutrient Status and Biter Pit of Honeycrisp	\$61,943
van Zoeren, Janet	Assessing the significance of brown marmorated stink bug damage to New York apple production; Part 2: threshold and spray timing	\$50,784
Watkins, Chris	Storage of New and Traditional Apple Varieties	\$58,150
Xu, Kenong	Developing a DNA-free gene editing system in apple	\$44,840
Xu, Kenong	Understanding the genetic control of self-thinning apples	\$46,020

**TOTAL REQUESTED** \$1,211,861

**New York State Apple Research and Development Program  
DRAFT Grower-Funded Budget  
April 1, 2023 – March 31, 2024**

Current Available ARDP Account Balance	\$ 647,877
Prior Year Contract Expenditures (2022-23)	\$ 363,542
<b>Est. Grower Funds Available as of 4/1/2023</b>	<b>\$ 284,335</b>

**Estimated Receipts (based on 10-Year Avg.):**

Fresh Collections	\$ 144,958	
Processed Collections	\$ 256,057	
Total Receipts		\$ 401,015
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Est. Grower Funds Available (2023-24 Budget Period)		<b>\$ 685,351</b>

**Estimated Expenses:**

Contracted Research (\$363,542 approved in 2021-22)	\$ 400,000	
Informational Services (Fruit Quarterly - Hort. Society)	\$ 16,000	
Administration (5 % Maximum)	\$ 20,800	
Total Expenses		<b>\$ 436,800</b>

**Projected ARDP Grower Fund Balance March 31, 2024** **\$ 248,551**

\*Draft budget for ARDP grower funded research; official budget TBD.