

# **VOTE: 142 National Agricultural Research Organization (NARO)**

---

## **I. VOTE MISSION STATEMENT**

To innovate for sustainable agricultural transformation

## **II. STRATEGIC OBJECTIVE**

1. Increase agricultural technologies and innovations for food and nutrition security
2. Increase research products and services for competitive markets and industry
3. Enhance access and sustainable utilization of improved agricultural technologies and innovations by agricultural value chain actors.
4. Strengthen institutional capacity of NARO to coordinate, undertake and deliver agricultural research products and services

## **III. MAJOR ACHIEVEMENTS IN 2023/24**

During the first half of FY 2023/24 NARO registered a number of achievements which include Finalisation of the antitick vaccine geographical clinical trials and the report revealed that the vaccine is 93% efficacious. Conducted 33 research studies for food and nutrition security, climate change mitigation and stimulation of industry under competitive grant scheme 16 technological innovation platform demonstrations were established and supported 97 improved technologies and innovations for food nutrition industry and market delivered to uptake pathways 176 scientific publications gender and equity responsive research studies undertaken to promote inclusivity and generate gender sensitive technologies and innovations. In addition, 2 environmental and social impact assessment studies conducted for the establishment of agricultural research laboratories and support infrastructure.

# VOTE: 142 National Agricultural Research Organization (NARO)

## IV. MEDIUM TERM BUDGET ALLOCATIONS

Table 4.1: Overview of Vote Expenditure (Ushs Billion)

	2023/24		2024/25	MTEF Budget Projections				
	Approved Budget	Spent by End Dec	Budget Estimates	2025/26	2026/27	2027/28	2028/29	
<b>Recurrent</b>	Wage	43.462	21.652	37.934	39.831	41.823	5.000	42.777
	Non-Wage	42.055	15.457	42.054	20.101	25.118	47.715	59.245
<b>Devt.</b>	GoU	80.970	31.006	80.970	7.000	86.771	85.548	94.058
	Ext Fin.	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>GoU Total</b>		<b>166.487</b>	<b>68.115</b>	<b>160.959</b>	<b>66.932</b>	<b>153.712</b>	<b>138.264</b>	<b>196.081</b>
<b>Total GoU+Ext Fin (MTEF)</b>		<b>166.487</b>	<b>68.115</b>	<b>160.959</b>	<b>66.932</b>	<b>153.712</b>	<b>138.264</b>	<b>196.081</b>
Arrears		0.000	0.000	0.087	0.000	0.000	0.000	0.000
<b>Total Budget</b>		<b>166.487</b>	<b>68.115</b>	<b>161.045</b>	<b>66.932</b>	<b>153.712</b>	<b>138.264</b>	<b>196.081</b>
<b>Total Vote Budget Excluding Arrears</b>		<b>166.487</b>	<b>68.115</b>	<b>160.959</b>	<b>66.932</b>	<b>153.712</b>	<b>138.264</b>	<b>196.081</b>

# VOTE: 142 National Agricultural Research Organization (NARO)

**Table 4.2: Budget Allocation by Department for Recurrent and Development (Ushs Billion)**

<i>Billion Uganda Shillings</i>	Draft Budget Estimates FY 2024/25	
	Recurrent	Development
<b>Programme:01 Agro-Industrialization</b>	<b>79.889</b>	<b>80.970</b>
<b>SubProgramme:01 Institutional Strengthening and Coordination</b>	<b>53.488</b>	<b>0.000</b>
<b>Sub SubProgramme:01 Agricultural Research</b>	<b>53.488</b>	<b>0.000</b>
007 NARO-SECRETARIATE	53.488	0.000
<b>SubProgramme:02 Agricultural Production and Productivity</b>	<b>26.401</b>	<b>80.970</b>
<b>Sub SubProgramme:01 Agricultural Research</b>	<b>26.401</b>	<b>80.970</b>
001 Abi Zonal Agriculture Research Institute(ZARDI)	0.100	0.000
002 Buginyaya Zonal Agriculture Research Institute(ZARDI)	0.250	0.000
003 Bulindi Zonal Agriculture Research Institute(ZARDI)	0.100	0.000
004 Kachwekano Zonal Agriculture Research Institute(ZARDI)	0.100	0.000
005 Mbarara Zonal Agriculture Research Institute(ZARDI)	0.100	0.000
006 Nabuin Zonal Agriculture Research Institute(ZARDI)	0.100	0.000
007 NARO-SECRETARIATE	10.511	75.970
008 National Agricultural Research Laboratories	0.250	0.000
009 National Coffee Research Institute	0.175	0.000
010 National Crops Resources Research Institute	0.175	0.000
011 National Fisheries Resources Research Institute	0.175	0.000
012 National Forestry Resources Research Institute	0.100	0.000
013 Mukono Zonal Agriculture Research Institute (ZARDI)	0.175	0.000
014 National Livestock Resources Research Institute (NaLIRRI)	13.715	5.000
015 National Semi Arid Resources Research Institute (NaSARRI)	0.100	0.000
016 Ngetta ZARDI	0.100	0.000
017 Rwebitaba ZARDI	0.175	0.000
<b>Programme:17 Regional Balanced Development</b>	<b>0.099</b>	<b>0.000</b>
<b>SubProgramme:01 Production and productivity</b>	<b>0.099</b>	<b>0.000</b>
<b>Sub SubProgramme:01 Agricultural Research</b>	<b>0.099</b>	<b>0.000</b>
002 Buginyaya Zonal Agriculture Research Institute(ZARDI)	0.099	0.000
<b>Total for the Vote</b>	<b>79.988</b>	<b>80.970</b>

# VOTE: 142 National Agricultural Research Organization (NARO)

## V. PERFORMANCE INDICATORS AND PLANNED OUTPUTS

Table 5.1: Performance Indicators

Programme: 01 Agro-Industrialization

SubProgramme: 01 Institutional Strengthening and Coordination

Sub SubProgramme: 01 Agricultural Research

Department: 007 NARO-SECRETARIATE

Budget Output: 000001 Audit and Risk Management

PIAP Output: Audit and Risk Management coordinated

Programme Intervention: 019101 Strengthen government institutions for effective and efficient service delivery.

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
No. of audit reports produced and submitted	Number			4	4	8

PIAP Output: Leadership and Management coordinated

Programme Intervention: 010601 Strengthen coordination of public institutions in design and implementation of policies including access to quality food and food security

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
No. of oversight visits undertaken	Number					12

Budget Output: 000013 HIV/AIDS Mainstreaming

PIAP Output: Leadership and Management coordinated

Programme Intervention: 010601 Strengthen coordination of public institutions in design and implementation of policies including access to quality food and food security

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
No. of oversight visits undertaken	Number					2

Budget Output: 000014 Administrative and Support Services

PIAP Output: Leadership and Management coordinated

Programme Intervention: 010601 Strengthen coordination of public institutions in design and implementation of policies including access to quality food and food security

**VOTE: 142 National Agricultural Research Organization (NARO)****Sub SubProgramme: 01 Agricultural Research****Department: 007 NARO-SECRETARIATE****Budget Output: 000014 Administrative and Support Services****PIAP Output: Leadership and Management coordinated**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
No. of oversight visits undertaken	Number					8

**Budget Output: 000089 Climate Change Mitigation****PIAP Output: Leadership and Management coordinated****Programme Intervention: 010601 Strengthen coordination of public institutions in design and implementation of policies including access to quality food and food security**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
No. of oversight visits undertaken	Number					8

**Budget Output: 000090 Climate Change Adaptation****PIAP Output: Leadership and Management coordinated****Programme Intervention: 010601 Strengthen coordination of public institutions in design and implementation of policies including access to quality food and food security**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
No. of oversight visits undertaken	Number					2

**SubProgramme: 02 Agricultural Production and Productivity****Sub SubProgramme: 01 Agricultural Research****Department: 001 Abi Zonal Agriculture Research Institute(ZARDI)****Budget Output: 010010 Technology Generation****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

**VOTE: 142 National Agricultural Research Organization (NARO)****Sub SubProgramme: 01 Agricultural Research****Department: 001 Abi Zonal Agriculture Research Institute(ZARDI)****Budget Output: 010010 Technology Generation****PIAP Output: Demand driven agriculture technologies developed**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services for food and nutrition security generated	Number	2020-2021	2	2	1	6

**PIAP Output: Research-extension farmer linkages developed and strengthened****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of technologies adopted	Number			6	6	4

**Budget Output: 010011 Technology Promotion****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services for food and nutrition security generated	Number					6

**PIAP Output: Research-extension farmer linkages developed and strengthened****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of technologies adopted	Number			8	4	4

**VOTE: 142 National Agricultural Research Organization (NARO)****Sub SubProgramme: 01 Agricultural Research****Department: 002 Buginyaya Zonal Agriculture Research Institute(ZARDI)****Budget Output: 010010 Technology Generation****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services suitable for industry developed	Number					2

**PIAP Output: Research-extension farmer linkages developed and strengthened****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of technologies adopted	Number					8

**Department: 003 Bulindi Zonal Agriculture Research Institute(ZARDI)****Budget Output: 010011 Technology Promotion****PIAP Output: Research-extension farmer linkages developed and strengthened****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of technologies adopted	Number					6

**Department: 004 Kachwekano Zonal Agriculture Research Institute(ZARDI)****Budget Output: 010011 Technology Promotion****PIAP Output: Research-extension farmer linkages developed and strengthened****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of technologies adopted	Number	2020-2021	4	4	2	6

**VOTE: 142 National Agricultural Research Organization (NARO)****Sub SubProgramme: 01 Agricultural Research****Department: 005 Mbarara Zonal Agriculture Research Institute(ZARDI)****Budget Output: 010011 Technology Promotion****PIAP Output: Research-extension farmer linkages developed and strengthened****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of technologies adopted	Number	2021-2022	13	13	6	4

**Department: 006 Nabuin Zonal Agriculture Research Institute(ZARDI)****Budget Output: 010011 Technology Promotion****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of improved technologies and innovations adopted	Number					5

**Department: 007 NARO-SECRETARIATE****Budget Output: 010008 Capacity Strengthening****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services for food and nutrition security generated	Number					8

**Budget Output: 010010 Technology Generation****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**



**VOTE: 142 National Agricultural Research Organization (NARO)****Sub SubProgramme: 01 Agricultural Research****Department: 007 NARO-SECRETARIATE****Budget Output: 010010 Technology Generation****PIAP Output: Demand driven agriculture technologies developed**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services suitable for industry developed	Number					1

**Budget Output: 010011 Technology Promotion****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services for food and nutrition security generated	Number					12

**Department: 008 National Agricultural Research Laboratories****Budget Output: 010010 Technology Generation****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services for food and nutrition security generated	Number					10
Number of research products and services suitable for industry developed	Number	2021-2022	10	10	5	10

**Department: 009 National Coffee Research Institute****Budget Output: 010010 Technology Generation****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

**VOTE: 142 National Agricultural Research Organization (NARO)****Sub SubProgramme: 01 Agricultural Research****Department: 009 National Coffee Research Institute****Budget Output: 010010 Technology Generation****PIAP Output: Demand driven agriculture technologies developed**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services suitable for industry developed	Number					4

**Budget Output: 010011 Technology Promotion****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services suitable for industry developed	Number					1

**Department: 010 National Crops Resources Research Institute****Budget Output: 010010 Technology Generation****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services suitable for industry developed	Number					5

**Department: 011 National Fisheries Resources Research Institute****Budget Output: 010010 Technology Generation****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

**VOTE: 142 National Agricultural Research Organization (NARO)****Sub SubProgramme: 01 Agricultural Research****Department: 011 National Fisheries Resources Research Institute****Budget Output: 010010 Technology Generation****PIAP Output: Demand driven agriculture technologies developed**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services for food and nutrition security generated	Number	2021-2022	8	8	4	4

**Department: 012 National Forestry Resources Research Institute****Budget Output: 010010 Technology Generation****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services for food and nutrition security generated	Number					2
Number of research products and services suitable for industry developed	Number					4

**Department: 013 Mukono Zonal Agriculture Research Institute (ZARDI)****Budget Output: 010011 Technology Promotion****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services for food and nutrition security generated	Number					2
Number of research products and services suitable for industry developed	Number					3

**VOTE: 142 National Agricultural Research Organization (NARO)****Sub SubProgramme: 01 Agricultural Research****Department: 014 National Livestock Resources Research Institute (NaLIRRI)****Budget Output: 010010 Technology Generation****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services suitable for industry developed	Number					6

**Department: 015 National Semi Arid Resources Research Institute (NaSARRI)****Budget Output: 010010 Technology Generation****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services for food and nutrition security generated	Number					11
Number of research products and services suitable for industry developed	Number					11

**Department: 016 Ngetta ZARDI****Budget Output: 010011 Technology Promotion****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services suitable for industry developed	Number	2021-2022	1	1	1	4

**PIAP Output: Research-extension farmer linkages developed and strengthened****Programme Intervention: 010407 Strengthen agricultural research and technology development**

**VOTE: 142 National Agricultural Research Organization (NARO)****Sub SubProgramme: 01 Agricultural Research****Department: 016 Ngetta ZARDI****Budget Output: 010011 Technology Promotion****PIAP Output: Research-extension farmer linkages developed and strengthened**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of technologies adopted	Number					4

**Department: 017 Rwebitaba ZARDI****Budget Output: 010011 Technology Promotion****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services for food and nutrition security generated	Number					2
Number of research products and services suitable for industry developed	Number					3

**Project: 1560 Relocation and Operationalisation of the National Livestock Resources Research Institute(NALIRRI)****Budget Output: 000017 Infrastructure Development and Management****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services suitable for industry developed	Number	2021-2022	3	3	2	8

**Budget Output: 010010 Technology Generation****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

**VOTE: 142 National Agricultural Research Organization (NARO)****Sub SubProgramme: 01 Agricultural Research****Project: 1560 Relocation and Operationalisation of the National Livestock Resources Research Institute(NALIRRI)****Budget Output: 010010 Technology Generation****PIAP Output: Demand driven agriculture technologies developed**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services suitable for industry developed	Number	2021-2022	8	5	2	8

**Project: 1619 Retooling of National Agricultural Research Organization****Budget Output: 000003 Facilities and Equipment Management****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services for food and nutrition security generated	Number					24

**Budget Output: 000017 Infrastructure Development and Management****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services for food and nutrition security generated	Number					24

**Budget Output: 010008 Capacity Strengthening****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

**VOTE: 142 National Agricultural Research Organization (NARO)****Sub Programme: 01 Agricultural Research****Project: 1619 Retooling of National Agricultural Research Organization****Budget Output: 010008 Capacity Strengthening****PIAP Output: Demand driven agriculture technologies developed**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services for food and nutrition security generated	Number	2021-2022	4	4	2	24

**Budget Output: 010009 Research Partnerships****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of functional public-private partnerships established for technology development and promotion	Number	2021-2022	6	5	3	10

**Budget Output: 010010 Technology Generation****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of research products and services for food and nutrition security generated	Number	2021-2022	15	15	7	24

**Budget Output: 010011 Technology Promotion****PIAP Output: Demand driven agriculture technologies developed****Programme Intervention: 010407 Strengthen agricultural research and technology development**

# VOTE: 142 National Agricultural Research Organization (NARO)

Sub SubProgramme: 01 Agricultural Research

Project: 1619 Retooling of National Agricultural Research Organization

Budget Output: 010011 Technology Promotion

PIAP Output: Demand driven agriculture technologies developed

Indicator Name	Indicator Measure	Base Year	Base Level	2023/24		Performance Targets
				Target	Q2 Performance	2024/25
Number of improved technologies and innovations adopted	Number	2021-2022	68	68	30	18



# VOTE: 142 National Agricultural Research Organization (NARO)

## VI. VOTE NARRATIVE

### Vote Challenges

Inadequate funding amidst many demands to meet stakeholder needs  
Land encroachment from the public which affects the research agenda  
Inadequate vehicle required to support research across the country

### Plans to improve Vote Performance

Commercialization of NARO technologies to exploit royalties and intellectual property rights for revenue generation to support research

NARO shall intensify commercialization of her technologies to broaden her income through collection royalties and Intellectual Property rights to increase revenue generation

Strengthening NARO grants office

NARO will establish a think tank under the grants office to generate ideas that reflect global trends and opportunities; and constitute them into negotiable proposals

NARO has diversified strategies for resource mobilization to ensure self-reliance in the next 5 to 10 years which include

Implement profitable NTR business enterprises

NARO developed profitable NTR business plans which shall be implemented in a private mode through the commercial arm of NARO, the NARO Holdings Limited

Scale-up the NARO Holdings LTD activities:

NARO holdings LTD will roll out its activities to all PARIs and beyond to increase revenue generation which in turn will increase the remittances to support NARO

## VII. Off Budget Support and NTR Projections

**Table 7.1: Off Budget Support by Project and Department**

<i>Billion Uganda Shillings</i>	<b>2024/25 Draft Estimates</b>
<b>Programme : 01 Agro-Industrialization</b>	<b>34.629</b>
<b>SubProgramme: 02 Agricultural Production and Productivity</b>	<b>34.629</b>
<b>Sub SubProgramme : 01 Agricultural Research</b>	<b>34.629</b>
Department: 001 Abi Zonal Agriculture Research Institute(ZARDI)	0.524
Department: 002 Buginyaya Zonal Agriculture Research Institute(ZARDI)	0.404
Department: 005 Mbarara Zonal Agriculture Research Institute(ZARDI)	0.524
Department: 006 Nabuin Zonal Agriculture Research Institute(ZARDI)	0.500
Department: 007 NARO-SECRETARIATE	0.500
Department: 008 National Agricultural Research Laboratories	11.653
Department: 009 National Coffee Research Institute	4.461
Department: 010 National Crops Resources Research Institute	6.099
Department: 011 National Fisheries Resources Research Institute	2.636
Department: 012 National Forestry Resources Research Institute	0.719

**VOTE: 142 National Agricultural Research Organization (NARO)**

<i>Billion Uganda Shillings</i>	<b>2024/25 Draft Estimates</b>
<b>Programme : 01 Agro-Industrialization</b>	<b>34.629</b>
<b>SubProgramme: 02 Agricultural Production and Productivity</b>	<b>34.629</b>
<b>Sub SubProgramme : 01 Agricultural Research</b>	<b>34.629</b>
Department: 013 Mukono Zonal Agriculture Research Institute (ZARDI)	0.313
Department: 014 National Livestock Resources Research Institute (NaLIRRI)	0.627
Department: 015 National Semi Arid Resources Research Institute (NaSARRI)	5.184
Department: 016 Ngetta ZARDI	0.118
Department: 017 Rwebitaba ZARDI	0.367
<b>Total For The Vote</b>	<b>34.629</b>

## VOTE: 142 National Agricultural Research Organization (NARO)

**Table 7.2: NTR Projections(Uganda Shillings Billions)**

Revenue Code	Revenue Name	FY2023/24	Projection FY2024/25
111102	Rental Income Tax-Payable By Individuals	0.000	1.207
141131	Interest from other government units	0.010	0.150
141501	Rent & Rates - Non-Produced Assets – from private entities	0.786	0.000
141504	Other Royalties	0.000	0.135
142159	Sale of bid documents-From Government Units	0.000	0.157
142160	Sale of Agricultural products and services-From Government Units	2.769	5.300
142217	Market /Gate Charges	0.000	0.298
142225	Other Licence fees	0.085	0.000
142301	Sale of (Produced) Government Properties/Assets	0.000	0.000
142302	Sale of non-produced Government Properties/assets	0.000	0.000
144149	Miscellaneous receipts/income	0.000	0.084
<b>Total</b>		<b>3.650</b>	<b>7.331</b>

# VOTE: 142 National Agricultural Research Organization (NARO)

## VIII. VOTE CROSS CUTTING POLICY AND OTHER BUDGETARY ISSUES

Table 8.1: Cross- Cutting Policy Issues

### i) Gender and Equity

<b>OBJECTIVE</b>	Integrate gender in Agricultural research streams to develop products which are friendly across all gender classes.
<b>Issue of Concern</b>	Limited participation of women and youth and elderly in agriculture
<b>Planned Interventions</b>	Integrate gender in Agricultural research streams to develop products which are gender friendly.
<b>Budget Allocation (Billion)</b>	0.300
<b>Performance Indicators</b>	Number of gender friendly research products generated

### ii) HIV/AIDS

<b>OBJECTIVE</b>	Identify appropriate market segments in commodity value chains for youth participation and gainful employment to minimize unemployment causative HIV/AIDS new infection among the youth.
<b>Issue of Concern</b>	High levels of re-emerging new infection among the youth due to unemployment.
<b>Planned Interventions</b>	Identify appropriate market segments in commodity value chains for youth participation for gainful employment.
<b>Budget Allocation (Billion)</b>	0.049
<b>Performance Indicators</b>	Number of market segments in commodity value chains for youth participation.

### iii) Environment

<b>OBJECTIVE</b>	Generate technologies for climate change mitigation and adaptation
<b>Issue of Concern</b>	High level of emerging and re-emerging pests and diseases which reduce total factor productivity. Low levels of adoption for climate change effects resilient technologies among communities across Uganda.
<b>Planned Interventions</b>	Support research in environmentally and pandemic phenomena responsive products. NARO will establish state-of-art agro-meteorological research facility that will be fully equipped with solar radiation, temperature, humidity.
<b>Budget Allocation (Billion)</b>	1.638
<b>Performance Indicators</b>	Number of climate Change resilient products generated

### iv) Covid

N / A

**VOTE:** 142 National Agricultural Research Organization (NARO)

---

# VOTE: 142 National Agricultural Research Organization (NARO)

## IX. PERSONNEL INFORMATION

Table 9.1: Staff Establishment Analysis

Title	Salary Scale	Number of Approved Positions	Number of filled Positions
Accountant	UR 5(i)Admin	17	13
Administrative Assistant	UR 6Admin	6	5
Assistant Accountant	UR 6Admin	22	17
Assistant Estate Manager	UR 6Admin	1	1
Assistant Farm Manager	UR 6RT	4	0
Assistant Inventory Management Officer	UR 6Admin	10	10
Biometrician	UR 5(i)RS	1	1
Carpenter	UR 7	2	1
Catering Assistant	UR 7	1	1
Civil Engineer	UR 5(i)RT	1	1
Coxswain/Deckhand	UR 7	4	1
Deputy Director General	UR 1(ii)	2	2
Development Communication Officer	UR 5(i)Admin	13	12
Digital Media Officer	UR 5(i)RS	1	1
Director Corporate Services	UR 2(i)	1	1
Director Finance and Accounts	UR 2(i)	1	1
Director General	UR 1(i)	1	1
Director Human Resource	UR 2(i)	1	1
Director Internal Audit	UR 2(i)	1	1
Director of Research	UR 2(i)	16	16
Documentation Officer	UR 5(i)Admin	1	1
Driver	UR 7	204	170
Econometrician	UR 5(i)RS	2	0
Electrician	UR 6Admin	3	1
Estate Maintenance Officer	UR 5(ii)Admin	1	0
Estate Manager	UR 5(i)Admin	2	0
Farm Manager	UR 5(i)RT	16	13
Gender Officer	UR 5(i)Admin	1	0
Grants Officer	UR 5(i)RS	1	1

**VOTE: 142 National Agricultural Research Organization (NARO)**

Title	Salary Scale	Number of Approved Positions	Number of filled Positions
Human Resource & Administrative Officer	UR 5(i)Admin	10	9
Information Technology Officer	UR 5(i)RT	18	8
Internal Auditor	UR 5(i)Admin	12	9
Inventory Management Officer	UR 5(i)Admin	1	1
Knowledge Management Officer (Publication Officer)	UR 5(i)RS	1	1
Land Manager	UR 3RS	1	1
Librarian	UR 5(i)Admin	2	1
Mechanic	UR 7	3	1
National Coordinator CGS	UR 2(ii)RS	1	1
Nursery Attendant	UR 8	3	3
Office Attendant	UR 8	18	13
Planning, Monitoring and Evaluation Officer	UR 5(i)RS	1	1
Plumber	UR 7	2	1
Principal Administrative Assistant G.I	UR 3Admin	1	1
Principal Administrative Assistant G.II	UR 4Admin	4	4
Principal Accountant	UR 3Admin	4	1
Principal Civil Engineer	UR 3RS	1	1
Principal Council Secretary	UR 3Admin	1	1
Principal Grants Officer (Sci)	UR 3RS	1	0
Principal Human Resource & Administrative Officer	UR 3Admin	3	1
Principal Information Technology Officer	UR 3RS	2	0
Principal Internal Auditor	UR 3Admin	1	1
Principal Legal Officer	UR 3Admin	1	1
Principal Monitoring and Evaluation Officer	UR 3RS	1	1
Principal Planning Officer	UR 3RS	1	1
Principal Procurement Officer	UR 3Admin	1	1
Principal Quality Assurance and Compliance Officer	UR 3RS	1	0
Principal Research Officer	UR 3RS	48	30

**VOTE: 142 National Agricultural Research Organization (NARO)**

Title	Salary Scale	Number of Approved Positions	Number of filled Positions
Principal Technician	UR 5(i)RT	34	17
Principal Technology Promotion Officer	UR 3RS	2	1
Procurement officer	UR 5(i)Admin	12	12
Records Assistant	UR 6Admin	4	3
Records Officer	UR 5(i)Admin	1	0
Research Officer	UR 5(i)RS	360	255
Risk Manager	UR 5(i)RS	1	0
Security Guard	UR 8	48	28
Senior Accountant	UR 4Admin	10	7
Senior Administrative Assistant G.I	UR 5(i)Admin	13	12
Senior Administrative Assistant G.II	UR 5(ii)Admin	17	14
Senior Administrative Officer	UR 4Admin	1	1
Senior Assistant Accountant	UR 5(ii)Admin	19	2
Senior Assistant Inventory Management Officer	UR 5(ii)Admin	7	6
Senior Communication Officer	UR 4Admin	1	1
Senior Database Management Officer	UR 4RS	1	1
Senior Development Communication Officer	UR 4Admin	5	2
Senior Environmental Social Safe Guard Officer	UR 4RS	1	1
Senior Human Resource & Administrative Officer	UR 4Admin	5	5
Senior Incubation and Commercialization Officer	UR 4RS	1	1
Senior Information Technology Officer	UR 4RT	1	1
Senior Intellectual Property Management Officer	UR 4RS	1	1
Senior Internal Auditor	UR 4Admin	9	5
Senior Knowledge Management Officer	UR 4RS	1	0
Senior Management Information Systems Officer	UR 4Admin	1	1
Senior Monitoring and Evaluation Officer	UR 4Admin	1	0



**VOTE: 142 National Agricultural Research Organization (NARO)**

Title	Salary Scale	Number of Approved Positions	Number of filled Positions
Senior Outreach Officer	UR 4RS	1	1
Senior Partnership Officer	UR 4RS	1	0
Senior Principal Research Officer	UR 2(i)RS	19	9
Senior Principal Technician	UR 4RT	4	1
Senior Procurement Officer	UR 4Admin	8	4
Senior Research Officer	UR 4RS	97	84
Senior Technician	UR 5(ii)RT	86	44
Skipper	UR 7	2	1
Special Assistant to DG	UR 2(ii)RS	1	0
Stastician	UR 5(i)RT	2	0
Systems Network Administrator	UR 5(ii)Admin	1	0
Technician	UR 6RT	170	93
Tractor Operator	UR 8	10	2

# VOTE: 142 National Agricultural Research Organization (NARO)

**Table 9.2: Staff Recruitment Plan**

Post Title	Salary Scale	No. Of Approved Posts	No. Of Filled Posts	No. Of Vacant Posts	No. Of Posts Cleared for Filling FY2024/25	Gross Salary Per Month (UGX)	Total Annual Salary (UGX)
Driver	UR 7	204	170	34	6	2,600,000	93,600,000
Principal Technology Promotion Officer	UR 3RS	2	1	1	1	8,500,000	102,000,000
Research Officer	UR 5(i)RS	360	255	105	8	12,000,000	576,000,000
Special Assistant to DG	UR 2(ii)RS	1	0	1	1	10,600,000	127,200,000
<b>Total</b>					<b>16</b>	<b>33,700,000</b>	<b>898,800,000</b>