QUARTER 4: Highlights of Vote Performance

V1: Summary of Issues in Budget Execution

This section provides an overview of Vote expenditure

(i) Snapshot of Vote Releases and Expenditures

Table V1.1 below summarises cumulative releases and expenditures by the end of the quarter:

Table V1.1: Overview of Vote Expenditures (UShs Billion)

(i) Excluding	Arrears, Taxes	Approved Budget	Cashlimits by End	Released by End	Spent by End Jun	% Budget Released	% Budget Spent	% Releases Spent
	Wage	18.972	18.972	18.972	18.972	100.0%	100.0%	100.0%
Recurrent	Non Wage	8.765	8.242	7.499	7.499	85.6%	85.6%	100.0%
Dealers	GoU	9.130	9.130	9.192	9.192	100.7%	100.7%	100.0%
Developme	nt Donor*	54.364	N/A	33.538	30.257	61.7%	55.7%	90.2%
	GoU Total	36.868	36.345	35.663	35.663	96.7%	96.7%	100.0%
Total GoU+E	Oonor (MTEF)	91.231	N/A	69.200	65.920	75.9%	72.3%	95.3%
(ii) Arrears	Arrears	0.743	N/A	0.743	0.743	100.0%	100.0%	100.0%
and Taxes	Taxes**	0.000	N/A	0.000	0.000	N/A	N/A	N/A
	Total Budget	91.975	36.345	69.944	66.663	76.0%	72.5%	95.3%
(iii) Non Tax	Revenue	7.009	N/A	1.828	1.828	26.1%	26.1%	100.0%
	Grand Total	98.983	36.345	71.772	68.491	72.5%	69.2%	95.4%
Excluding	g Taxes, Arrears	98.240	36.345	71.029	67.748	72.3%	69.0%	95.4%

* Donor expenditure information available

** Non VAT taxes on capital expenditure

The table below shows cumulative releases and expenditures to the Vote by Vote Function :

Table V1.2: Releases and Expenditure by Vote Function*

Billion Uganda Shillings	Approved Budget	Released	Spent	% Budget Released	% Budget Spent	% Releases Spent
VF:0151 Agricultural Research	98.24	71.03	<u>67.75</u>	72.3%	69.0%	95.4%
Total For Vote	98.24	71.03	<u>67.75</u>	72.3%	69.0%	<mark>95.4%</mark>

* Excluding Taxes and Arrears

(ii) Matters to note in budget execution

The ATAAS release of October-December 2015 was delayed due to adjustments in ATAAS project execution. This hampered on-going activities and their conrresponding deliverables. It is envisioned that the mishaps experienced will not be adverse but their effects were felt in the achievables and performance in the first two quarters of the financial year FY 2015-2016.

Table V1.3: High Unspent Balances and Over-Expenditure in the Domestic Budget (Ushs Bn)

(i) Major unpsent balances

(ii) Expenditures in excess of the original approved budget

* Excluding Taxes and Arrears

V2: Performance Highlights

QUARTER 4: Highlights of Vote Performance

This section provides highlights of output performance, focusing on key outputs and actions impelemented to improve section performance.

Table V2.1: Key Vote Output Indicators and Expenditures*

Vote, Vote Function Key Output	Approved Budget and Planned outputs	Cumulative Expenditure and Performance	Status and Reasons for any Variation from Plans
Vote Function: 0151 Agricul	ltural Research		
Output: 015101 (Generation of agricultural techno	ologies	
•	 Generation of agricultural technologies for enhancing production and productivity of crops (new, intermediate), Livestock (new and intermediate), Forestry (new and intermediate) and natural resource management New varieties of priority commodities submitted for release; 41 New CGS studies conducted. 	Improved productivity technologies generated (1) F1 generaation of elite indigenous chicken with	None

Vote, Vote Function Key Output	Approved Budget and Planned outputs	Cumulative Expenditure and Performance	Status and Reasons for any Variation from Plans
		practices for sorghum midge	
		(1)Weevil and sigatoka resistant	
		banana (2); Fertilizer rates for	
		Soybean (1); Maize bean food	
		product (1); Improved soil maps for kasese and Mbarara (2);	
		Cropping callender for bean,	
		millet and maize (3); impoved	
		power tillers (1); waxed cassava	
		preservation (1); Solar powered	
		fish pond areator and pump (2);	
		1 Drought tolerant pasture, 1	
		optimum plant density for	
		maize, 1 fertilizer application	
		rate in maize, 1 Optimum	
		stocking density of fish reared	
		in cages on Lake Albert. One management protocol for fish	
		hatcheries developed awaiting	
		review by stakeholders; One	
		pasture production and forage	
		conservation protocol	
		produced).Confirmed	
		occurrence of acaricide failure	
		in tick control in 6 of the 13	
		districts in the zone; The 10	
		factors influencing acaricide	
		failure established; Draft	
		protocol for mitigating the	
		acaricide failure in the affected districts developed and is in	
		place; Still at preliminary stages	
		of nutrient analysis of industrial	
		by-products; A toxin binder	
		(Toxbin®)that sequesters about	
		60% of aflatoxins in moldy fish	
		diets developed and is available	
		for commercial production; A	
		larval weaning diet for	
		improving survival and growth	
		rate of catfish (Clarias	
		gariepinus) developed and ready	
		for commercial production. Potential community-based feed	
		distributors already selected in	
		Ntungamo and Bushenyi	
		districts ; Among the 10 upland	
		rice varieties evaluated,	
		NAMCHE4 and NERICA6 are	
		best and farmer-preferred with	
		the average grain yield of	
		>37.3% higher than others;	
		Yield response of tea to	
		different soil fertility	
		applications determined; dry season leaf yields were 1.29,	
		1.47, 1.79 and 1.80	
		tonnes/ha/month in dry seasons	
		for farmers' practices, nitrogen	
		alone, biochar alone and	

Vote, Vote Function Key Output	Approved Budget and Planned outputs	Cumulative Expenditure and Performance	Status and Reasons for any Variation from Plans
		integrated nitrogen/biochar	
		application, respectively.	
		Community based-feed distributors for MBAZARDI	
		made fish feed identified in the	
		districts of Bushenyi and	
		Ntungamo.Fungicide spray	
		regimes for CBD in Arabica	
		coffee, Nutrient use efficiency	
		for 3 realesed Ug99 resistant	
		wheat varieties, 1 goat communit goat breeding	
		program, Technology for branch	
		initiation in apples, Staggered	
		potato planting for effective	
		comemrcial potato	
		productionBee swarm catching	
		technology1. Draft report developed on banana market	
		chain perfomance in n Kabarole	
		and Bundibugyo. Information	
		on banana market chain	
		performance validtaed and	
		desseminated in Kyegegwa and	
		Kyenjojo disrict2. Draft tea fact sheet developed 3. Draft	
		Rwebitaba strategic plan	
		developed	
		4.	
		Draft Tea research strategic plan	
		developed 5. A study was	
		conducted on pests and disease	
		prevalence in tea growing districts. Preliminary findings	
		indicate that; mean prevalence	
		rate for yellow tea mites is 15%	
		in 3 districts, Hoima (27%),	
		Kibaale (11%) and Mityana	
		(7%). Preliminary findings from	
		survey on disease incidence indicate that; mean incidence	
		rate for Xyllaria is at 12%;	
		Hoima (18%), Kibaale (9%) and	
		Mityana (9%). Preliminary	
		findings from survey on disease	
		prevalence indicate that; mean	
		prevalence rate for Xyllaria is at 2.6%; Mukono (3.1%) and	
		Buikwe (2.1%). Preliminary	
		findings from survey on pests	
		prevalence indicate that; mean	
		prevalence rate for yellow tea	
		mites is 3.65% in 2 districts;	
		Mukono (5.2%) and Buikwe	
		(2.1%) 6. A Survey was conducted on Livestock diseases	
		in the zone. Preliminary	
		findings from Kabarole and	
		Kyegegwa on prevalence	
		indicate; tick borne diseases	

ote, Vote Function Key Output	Approved Budget and Planned outputs	Cumulative Expenditure and Performance	Status and Reasons for any Variation from Plans
		from Kabarole and Kamwenge:	
		(45%), helminths (35%),	
		mastitis (12%), common tick	
		species; Rhipicephalus appendiculatus (61%),	
		Rhipicephalus evertsi evertsi	
		(6.5%) and Amblyomma	
		variegatum (31.8%).	
		Preliminary findings from	
		Kasese, Bundibugyo and	
		Kyenjojo on prevalence	
		indicate; tick borne diseases	
		(61.4%), helminths (22.6%),	
		mastitis (15.8%) common tick	
		species; Rhipicephalus	
		appendiculatus (42.5%), Phinicaphalus avartsi avartsi	
		Rhipicephalus evertsi evertsi (4.4%),Beophilus decolatus	
		(34.3%) and Amblyomma	
		variegatum (18.65%). 7.	
		Preliminary findings from a	
		study on socio economic and	
		biophysical factors influencing	
		aquaculture production were	
		documented in Kasese and	
		Kamwenge districts.	
		Preliminary findings indicated;	
		a) Dissolved Oxygen (4.5 &	
		3.0 mg/L, temperature (24.2 & 26.5°C) rH (7.4 & 7.2) and	
		26.5°C), pH (7.4 & 7.3) and Turbidity (28.9cm & 25.6cm) in	
		Kasese and	
		Kamwenge. B)	
		Average pond size; Kasese	
		(524m ²), Kamwenge (6188m ²).	
		Tilapia average yield; Kasese	
		(1.4 Kg/m ²) and Kamwenge (3	
		Kg/m ²). Major challenges were	
		cost & quality of feed (58.6%)	
		and fish fingerlings (26.7%).	
		Nile tilapia (56.9%) preferred	
		fish for farming. 8. Fruit tree	
		inventory and land use diagnostic was conducted in	
		Kasese and Bundibugyo.	
		Preliminary findings in Kasese	
		indicate: Home steads (12.2&),	
		Forests (2%), Crop land (65%),	
		woodlots (5%), boundary	
		(7.8%), others (8%)	
		Bundibugyo: Home steads	
		(38.8%), Forests (10%), Crop	
		land (40%), woodlots (3%),	
		boundary (3.2%) , others	
		(5%) 2) Species	
		preference & uses Kasese: Fruits and beverages; Mangoes	
		(44%), Citrus oranges (4%),	
		Avocado (6%) Coffee (46), Fuel	
		wood; Eucalyptus (33%),	

ote, Vote Function Ley Output	Approved Budget and Planned outputs	Cumulative Expenditure and Performance	Status and Reasons for any Variation from Plans
		Albizia spps (2%), Senna	
		siamea (54%), other spps (11%)	
		Bundibugyo: Fruits &	
		beverages: Mangoes (20%), Citrus oranges (5%), Avocado	
		(5%), Coffee (20%), Cocoa	
		(48%), others (6%), Fuel wood;	
		Eucalyptus (43%), Albizia spps	
		(18%), Senna siamea (12%),	
		other spps (27%). 9. Draft report on technical efficiency in	
		tea production in Kabarole	
		district	
		developed	
		10. Draft report on banana	
		market chain performance in Kabarole and Ntoroko district	
		developed1. A Base line	
		survey on current cocoa	
		production, production	
		challenges, opportunities and	
		recommendation for policy guidelines has established that:	
		mean land allocation to cocoa	
		stands at 2.30, with mean land	
		for expansion at 1.14 acres.	
		Cocoa is a male dominated	
		enterprise (Males 82.24%, Female 17.76%), and	
		dominated by those aged above	
		50 years (92. 7%).verticillium	
		wilt, black pod rot, witches	
		broom, armillaria root/collar crack and swollen shoot virus	
		(83.2%, 69%, 25.2%, 7.6% and	
		6.5% incidence respectively) are	
		key diseases;4. 36 Arabica	
		genotypes variously useful traits	
		such as higher yields, shorter height, resistance to CLR and	
		tolerance to BCTB	
		identified.5. 12 CLR resistant	
		farm Robusta accessions with	
		1st year growth estimate yield	
		range of 2777 to 6258 kgcc/ha as compared to average clonal	
		yields of 2500 kgcc/ha may	
		constitute test lines for further	
		evaluation of CWD and	
		BCTB.6. Cirad lines, 1393/3-	
		42, 1380/3-43, 1386/1-55, 1792-	
		42, 1805-43, 1806-44, 1786-45 are best parents in terms of	
		berries;7. 3 cocoa lines	
		yielding above 1.5 tons/ha have	
		been identified for further	

Key Output	Approved Budget and Planned outputs	Cumulative Expenditure and Performance	Status and Reasons for any Variation from Plans
		development.8. Yield	
		potential in Kgs/ha 5531.5 for	
		245/21/5, 6874.2 for 3/15/1,	
		3960.6 for 286/1, and 3930 for 286/2 K gs/ba BCTB	
		286/2 Kgs/ha. BCTB infestation on 245/21/5 was at	
		33.3 % at Kamuli while 7.2%	
		on 3/15/1 at Nakanyonyi. Lines	
		selected for submission are	
		245/21/5 and 3/15/1.9. 10,000	
		Robusta cuttings and 5,000 TC	
		plants under nursery; 40,388	
		cloned cuttings between Jan –	
		April 2016 maintained in tunnels; 10. 395 CWD-r	
		Robusta coffee clones at on-	
		farm were evaluated for	
		resistance against diseases and	
		pests, yield, vegetative growth	
		and quality. For yield, the lines	
		J124.9/1/4, KAMULI/1, 2/22/18	
		and KAMENGO 2/1 had the highest yields of 2857, 2422,	
		2266 and 2075 kg cc/ha	
		respectively. An increase in BP	
		with a rate between 8-20 BP / yr	
		in the order J72.01/10/1,	
		J24/13/20/1, 3/71/1, 227/54/2	
		at Bukomansimbi. 11.	
		Severity of leaf rust and CBD and vegetative growth, at	
		pinhead stage of 17 Elgon A	
		and 2 Colombian lines in multi-	
		location on-farm and on-station	
		trials was determined. Line	
		D/12/6, D/11/7, E/13/9 at	
		Kituza were tolerant to CLR,	
		had large cherry size and higher estimated yields (kg cc/ha) of	
		1261, 1084, 1056 respectively	
		compared to SL14 (45) and	
		KP423 (117). Significantly	
		higher estimated yield ranges of	
		1044 to 3112 kgcc/ha for 13 of	
		50 Elgon CB lines compared to SI 14 (223 kgcc/ba) and KP423	
		SL14 (223 kgcc/ha) and KP423 (207 kgcc/ha) at Kituza.12.	
		Morphological characteristics,	
		yield indicators and quality of	
		coffee under different shade tree	
		management treatments for	
		Western zone were described.	
		Ficus ovata, Cordia Africana	
		and Albizia coriaria shade-trees in Elgon Arabica zone increased	
		out-turn (3.2%, 6.0% and 6.5%	
		respectively), and resulted in	
		bigger bean size (3.1%, 15.8%	
		and 11.4% respectively); 13.	
		A survey was conducted on	

te, Vote Function ey Output	Approved Budget and Planned outputs	Cumulative Expenditure and Performance	Status and Reasons for any Variation from Plans
		level of fertilizer usage in	
		central Uganda. The preliminary	
		results show that 41.8% of the	
		respondents have adopted	
		fertilizer usage in coffee in	
		Central Uganda. Types of	
		fertilizers include cowdung, pig	
		manure, poultry manure, compost manure, NPK	
		(17:17:17), NPK (25:5:5), Urea	
		and Supergrow (foliar fertilizer).	
		Farmers adopting fertilizer	
		usage in coffee reported	
		increment in vegetative growth	
		longer bearing primaries with	
		many clusters and bigger sized	
		cherries, dark green leaves, 2 –	
		3 times increased flowering	
		intensity. They also reported desirable "khaki" colour for	
		hulled kiboko. Use of fertilizers	
		was determined by costs, labour	
		requirement, knowledge on	
		fertilizers, accessibility, and	
		long term effects on soil.14.	
		Fusarium sp. Has been isolated	
		from a beetle but yet to be	
		identified to species levelThis	
		Fusarium sp. Has been able to	
		sporulate on beetles exposed to	
		it and killing the insects; thus, it might be entomopathogenic	
		15. 28 CWD isolates; 21 from the Central region (Nakaseke,	
		Luwero and Nakasongola), 7	
		from the Western region;	
		Luwero district has the highest	
		CWD incidence (14%). While	
		Nakasongola has the highest	
		CLR incidence (3%); 2	
		validated CWD specific	
		primers. Their codes are:	
		OFPF01 and OFPF12. Two	
		isolates of Trichoderma 16.	
		The nutrient composition of coffee pulp and busks has been	
		coffee pulp and husks has been determined (for possible	
		development of human and	
		livestock food). Starch, reducing	
		sugars, fibers, carbohydrates,	
		and proteins are present in	
		cocoa and coffee husks by-	
		products.Current cocoa	
		varieties; Trinitarios, Upper	
		amazone and Amelanados as	
		most cultivated as composite.	
		Psyllids, Capsids, Pod borers,	
		Scales 20.1%, and twig borer	

ote, Vote Function Key Output	Approved Budget and Planned outputs	Cumulative Expenditure and Performance	Status and Reasons for any Variation from Plans
		(46.55%, 34.9%, 28.7% and	
		5.25% incidence respectively).	
		Only 9.75% farmers use	
		fermenting boxes. Inventory of	
		potential pathogens generated;	
		Indicative pathogenicity levels	
		of potential pathogens were determined. Leaf spot is a key	
		pathogen in CWD-r Robusta	
		cuttings at hardening stage	
		under nursery: Incidence KR5	
		85%; KR7 80% at KR1 at 75%;	
		KR4 at 70%, KR2 at 50%; KR6	
		at 30%, KR3 at 05%; lower pair	
		of leaves most affected; 85%	
		survival of CWD-r cutting	
		recorded with Sandy-loam	
		rooting media (PH.6.0, Organic matter 7.1, N 0.34, P 76.6,	
		Ca.1106.4, Mg.698.2, K 306.8).	
		Formerly, saw dust rooting	
		media yielded 40% survival of	
		the cuttings. 3. Factors	
		affecting nurseries in Robusta	
		growing districts of south	
		western were determined. Also	
		an inventory of factor affecting	
		multiplication across the entire	
		spectrum was generated. The major factors affecting	
		nurseries identified as limited	
		knowledge on best rooting	
		medium with known soil texture	
		and right shade net for	
		propagation process;Low	
		Success rates for KR1 and KR4	
		and lacking these materials for	
		further multiplication, and low	
		rooting in KR2; Limited	
		Knowledge on harvesting	
		suckers from mother bushes and making cuttings and nursery	
		management; Counterfeit	
		nursery inputs such as pesticides	
		are the key factors affecting	
		multiplication across the entire	
		spectrum generated in Central	
		and Mid-western Uganda. "()	
		(2)New varieties/Prototypes	
		submitted to Variety Release	
		Committee for release:	
		Four drought tolerant maize	
		varieties submitted for release	
		and Five high iron bean	
		varieties submitted for release;	
		Pelleting machine prototype;	
		Labour saving motorized forage	
		chopper prototype; Labour	

Vote, Vote Function Key Output	Approved Budget and Planned outputs	Cumulative Expenditure and Performance	Status and Reasons for any Variation from Plans
		saving motorized feed mixer prototype; Two cotton line identified for DUS testing; Three greengram genotypes submitted for DUS; Six high yielding and disease tolerant cowpea lines submitted for DUS; Five drought and striga tolerant sorghum lines submitted for DUS; Six high yielding and blast tolerant finger millet lines submitted for release; Two high yielding and rosette and leaf minor resistant groundnut lines submitted for DUS; One impoved power tillers; One solar powered fish pond areator and one pump; Three sorghum varieties for release.	
Performance Indicators: No. of research studies under	25	24	
competitive grants scheme No. of new varieties submitted to Variety Release Committee for release	20	49	
No. of improved productivity technologies generated	60	97	
Output Cost.	UShs Bn: 8.306	5 UShs Bn: 5.455	% Budget Spent: 65.7%
=	Research extension interface pro		
Description of Ferformance:	 Multistakeholder innovation platforms established or supported; Foundation and basic seed provided to farmers, farmer groups and seed companies; Clean/Improved planting materials multiplied and availed to uptake pathways; On-farm trials conducted; Technology demonstrations held on station and technology parks; Dissemination and Training workshops held for subject matter specialists and other service providers; Scientific conferences, dissemination workshops and seminars for scientists, extension agents and policy makers conducted; Scientific & extension dissemination materials developed and published; Design and development of Farming manuals; 	 (i) Technological innovation established/supported: 5 farmer plateforms created/supported including: 2 Indigenous goal breeding schemes in Hoima and Nakapiripiti supported, 5 field farmer schools in central cattle corridor and Karamoja supported, 2 dairy farmers' associations in Gulu and Lira supported (a) One production and marketing platform for cowpea in Katakwi (c) Four platforms for sorghum production and marketing established1 Nakaseke Model village, 1 Banana bacterial wilt control platform western Uganda, 1 Agribusiness incibation platform, 1 Bean Innovation Platform supported in Masaka, and 3 Innovation platforms on Agricultural Water Management and Climate Smart Agriculture formed in Kwapa, Ongino and Bungokho SC, in 	None

 Publicity and News atticles developed and publicits, respectively-2 potato Audio Visuals in English and local languages developed and platforms formed. (A000) catifish availed to tiptate pathway; Radio Italk shows conducted: Farmer field and its informed. (A000) catifish groups in the districts of Mburan, Nungamo, Bushenyi and Rubritzi to initiate community-based seed production. This represents 4 times the target fish firely, but distributed to 7 farmer groups in the districts of Mburan, Nungamo, Bushenyi and Rubritzi to initiate community-based seed production. This represents 4 times the target fish firely distributed to 7 farmer MBAZARDI made fish field identified in the districts of Bushenyi and Nungamo. 2. Potato MSH formed and supported, 1 Community based-feed distributors for MBAZARDI made fish field identified in the districts of Bushenyi and Nungamo. 2. Potato MSH formed and supported, 2 Community hased-feed distributors for MBAZARDI made fish field identified in Manfrva (ii) Technological innovation Platforms delivered to upuke pathways: 1 agames - 5 Demonstrations established in Morroto. Seree, established for production of foundation seed for a market. Community Status. Gamer stranded were established for Corbocci and a band individual farmers rained on the i dentification and use of new and improved hean varieties; 200 acres established for production of foundation were established at NaCRR1. 100 Kgs delivered to Ugamda

Vote, Vote Function Key Output	Approved Budget and Planned outputs	Cumulative Expenditure and Performance	Status and Reasons for any Variation from Plans
		West Nile, Teso, Bunyoro, Bugishu regions (3 tons seed accessed by farmer groups, seed companies and NGOs) € SEREMI 2 and PESE1 promoted in Lango, Teso,	
		Bugishu, Acholi regions (10 tons of seed accessed by farmer groups, seed companies and NGOs). (f) BPA 2002 promoted in Kasese, Bunyoro, Teso, Bukedi regions (5 tons of seed accessed by CDO) 1	

ote, Vote Function Xey Output	Approved Budget and Planned outputs	Cumulative Expenditure and Performance	Status and Reasons for any Variation from Plans
		manure and mulch climate	
		change technology for beans	
		and maize; 1 fruit fly area wide	
		control; 1 irrigation levels for	
		citrus, 1 oxen operation technology; 1 post harvet	
		handling of pelagic fish. 1 Soil	
		and Water Conservation, 1	
		Integrated Soil Fertility	
		Management and 1 Agricultural	
		water Management in Kwapa,	
		Ongion and Bungokho SC. 1	
		Citrus diseases identification	
		guide; 1 citrus disease picture	
		poster (2)Nine improved technologies (improved maize,	
		coffee, Banana and cassava	
		varieties, cage fish farming and	
		Nile tilapia fish seed	
		production, Drought tolerant	
		pastures, Improved mango	
		varieties and Improved forages	
		for bees technologies available at Bulindi ZARDI delivered to	
		uptake pathways through	
		supplies and Famer visits).3	
		potato varieties; 1 Apple	
		management practices (
		defoliation, prunning, fruit	
		thinning, bird control); 1	
		Enhanced farmer capacity to	
		produce high quality seed potato through screen houses.1) 847	
		grafted apple seedlings	
		generated,2) over 150,000	
		coffee seedlings generated, 3)	
		1.5 tones of coffee seed availed	
		to UCDA, 4) 14 tons of seed	
		potato availed to uptake	
		pathways, 5) over 45 ToTs	
		trained in MLN, 6) over 100 ToTs trained in Sweet potato	
		management, 7) Over 1000 bags	
		of cassava planting material	
		availed to farmers, 8) Goat	
		breeding stock availed to	
		farmers in Ngenge Sub-county	
		Kapchorwa Districts, 9) Napier	
		grass planting material availed to farmers in the zone, 10)	
		400kg of wheat breeders seed	
		availed to uptake pathways, 11)	
		Apple IPM package, 12) 4	
		Farmer groups of up to 100	
		members trained on Coffee	
		Pests and Disease management	-
		67,000 tea clones raised as	
		foundation seed;- Draft dairy	
		fact sheet developed and distributed; Tea production	
		aistributed, rea production	

Vote, Vote Function Key Output	Approved Budget and Planned outputs	Cumulative Expenditure and Performance	Status and Reasons for any Variation from Plans
		manual and Tea farmer manual	
		were developed; Produced and	
		distributed 2000 fact sheets on	
		tea and dairy, 2 posters pvc	
		banners, 3000 Brochures, 2 pull	
		up banners, 2 Tear drop	
		banners, 200 manuals - 25 bags of Victoria and Rwangume	
		potato seed varieties distributed	
		to 5 districts i.e. Kabarole (9	
		bags), Kamwenge (4 bags),	
		Kyenjojo (4 bags), Kyegegwa (4	
		bags) and Kasese (4 bags)-	
		25,000 tea plantlets maintained	
		in nursery shade. 500,000 tea	
		clones supplied to nursery	
		operators in the zone	
		300,000 tea seedlings availed to farmers in Kyenjojo- 48,000	
		plantlets raised in the nursery-	
		280,000 cuttings supplied to	
		nursery operators - 649,850	
		plantlets availed to farmers	
		under Operation Wealth	
		Creation in Kyenjojo and	
		Kabarole Districts1. 50,000	
		cocoa seedlings and availed to	
		nursery operators.2. 100 cocoa	
		seedlings availed to a farmer	
		Mukono.3. Visited and offered technical guidance to 35	
		nursery operators in the districts	
		of Ntungamo, Mbarara, Masaka	
		Rakai, Lwengo, Kalungu,	
		Gomba, mukono, Buikwe and	
		Kayunga. 4. 20,000 Arabica	
		seedlings given out to farmers	
		through OWC (10,000 potted	
		SL14 seedlings and 10,000	
		seedlings of KP423).5. 18500	
		coffee brochures printed (BCTB	-
		2000, Robusta coffee diseases- 2000, Research mandate-500,	
		Arabica insect pests-2000,	
		clonal nursery management-	
		2000, post harvest handling-	
		2000, seedling management and	
		nursery-2000, Field mgt	
		Arabica-2000, Field mgt	
		2000.6000-Coffee mgt seasonal	
		calendars (2000 for each	
		region)6. Five FFS sessions	
		conducted and for 176 coffee	
		farmers in 5 FFSs in Kanchorwa Manafwa and	
		Kapchorwa, Manafwa and Sironko districts. Training	
		implements supplied to the 5	
		FFSs"Precooked bean	
		innovation plaform supported, 6	
		platforms established. These	

Vote, Vote Function Key Output **Approved Budget and Cumulative Expenditure** Status and Reasons for any **Planned** outputs and Performance Variation from Plans include: Production of quality seed for AIVs, Off-season mango production, Control of post-harvest losses in mangoes, tomatoes and oranges, Characterisation of AIVs, 1-Establishment of plant health clinics.Collection and characterization of Bambara nuts), Successfully grafted shea plants flowered after two years of grafting ; Ficus ficomolusneglected trees have been recommended to timber the market; calisa ediris (fruit &medicine)- its propagation protocal has been a success1) Performance Indicators: No. of technological 5 100 innovations delivered to uptake pathways No. of technological 5 37 innovation platforms established/supported UShs Bn: 7.914 UShs Bn: 5.944 % Budget Spent: 75.1% Output Cost: Output: 015105 Generation of technologies for priority commodities Description of Performance: - Technologies for enhancing NA NA productivity of Crops (cassava,maize,Rice, Horticultural crops, bananas)(new, intermediate). Livestock (dairy cattle, meats(new and intermediate), and fisheries - New varieties of submitted for release - Foundation and basic seed provided to farmers, farmer groups and seed companies; - Breeder seed provided to seed companies; - Clean/Improved planting materials multiplied and availed to uptake pathways; - On-farm trials conducted; - Technology demonstrations held on station and technology parks; - Capacity of farmers and farmer groups to make choices and implement decisions that affect their livelihoods enhanced; Output Cost: UShs Bn: 9.813 UShs Bn: 8.530 % Budget Spent: 86.9% Vote Function Cost UShs Bn: 98.240 UShs Bn: 67.748 % Budget Spent: 69.0% **Cost of Vote Services:** UShs Bn: 98.240 UShs Bn: 67.748 % Budget Spent: 69.0%

QUARTER 4: Highlights of Vote Performance

* Excluding Taxes and Arrears

QUARTER 4: Highlights of Vote Performance

Table V2.2: Implementing Actions to Improve Vote Performance

Planned Actions:	Actual Actions:	Reasons for Variation
Vote: 142 National Agricultural Research		
Vote Function: 01 51 Agricultural Research	l	
Enhance outreach capacity NARO wide, including establishment and support of Multi Stakeholder Innovation Platforms (MSIPs).	Renewed Research and development efforts to establish new Innovation platforms engaging various actors and partners in Local Government, CSO and GOU MDAs.	None
Vote: 142 National Agricultural Research	Organisation	
Vote Function: 01 51 Agricultural Research	L	
Plan for recruitment of more staff according to HRD plan. Long term training of staff ongoing.	34 scientist sponsored for PhD and MSc Degrees; 5 staff PhD students supported to undertake Research to complete PhD; 42 new staff inducted, 8 staff facilitated to undertake short courses in various Universities.	None

V3: Details of Releases and Expenditure

This section provides a comprehensive summary of the outputs delivered by the Vote and further details of Vote expenditures by Vote Function and Expenditure Item.

Table V3.1: GoU Releases and Expenditure by Output*

Billion Uganda Shillings	Approved Budget	Released	Spent	% GoU Budget Released	% GoU Budget Spent	% GoU Releases Spent
VF:0151 Agricultural Research	36.87	35.66	35.66	96.7%	96.7%	<u>100.0%</u>
Class: Outputs Provided	33.43	32.43	32.43	97.0%	97.0%	<u>100.0%</u>
015101 Generation of agricultural technologies	2.07	2.09	2.09	101.1%	101.1%	<u>100.0%</u>
015102 Research extension interface promoted and strengthened	1.40	1.31	1.31	93.7%	93.7%	100.0%
015103 Internal Audit	0.08	0.08	0.08	91.1%	91.1%	<u>100.0%</u>
015104 Agricultural research capacity strengthened	28.31	27.45	27.45	97.0%	97.0%	<u>100.0%</u>
015105 Generation of technologies for priority commodities	1.57	1.51	1.51	95.8%	95.8%	100.0%
Class: Outputs Funded	1.91	1.70	1.70	89.0%	89.0%	100.0%
015151 Payments to International Organisations (CGIAR, ASARECA, WARDA)	1.91	1.70	1.70	89.0%	89.0%	<u>100.0%</u>
Class: Capital Purchases	1.53	1.53	1.53	100.0%	100.0%	100.0%
015172 Government Buildings and Administrative Infrastructure	1.50	1.50	1.50	100.0%	100.0%	100.0%
015176 Purchase of Office and ICT Equipment, including Software	0.03	0.03	0.03	100.0%	100.0%	<u>100.0%</u>
Total For Vote	36.87	35.66	35.66	96.7%	96.7%	<u>100.0%</u>

* Excluding Taxes and Arrears

Table V3.2: 2015/16 GoU Expenditure by Item

Billion Uganda Shillings	Approved Budget	Releases	Expend- iture	% Budged Released	% Budget Spent	%Releases Spent
Output Class: Outputs Provided	<u>33.43</u>	32.43	<u>32.43</u>	97.0%	97.0%	100.0%
211102 Contract Staff Salaries (Incl. Casuals, Temporary)	18.97	18.97	18.97	100.0%	100.0%	100.0%
211103 Allowances	0.00	0.02	0.02	N/A	N/A	100.0%
212201 Social Security Contributions	3.06	2.70	2.70	88.1%	88.1%	100.0%
213001 Medical expenses (To employees)	0.10	0.08	0.08	80.0%	80.0%	100.0%
213002 Incapacity, death benefits and funeral expenses	0.18	0.12	0.12	70.8%	70.8%	100.0%
213004 Gratuity Expenses	1.69	1.58	1.58	93.8%	93.8%	100.0%
221001 Advertising and Public Relations	0.35	0.35	0.35	100.0%	100.0%	100.0%
221002 Workshops and Seminars	0.21	0.19	0.19	90.8%	90.8%	100.0%
221003 Staff Training	0.35	0.34	0.34	99.3%	99.3%	100.0%
221004 Recruitment Expenses	0.07	0.07	0.07	99.2%	99.2%	100.0%

QUARTER 4: Highlights of Vote Performance

Billion Uganda Shillings	Approved Budget	Releases	Expend- iture	% Budged Released	% Budget Spent	%Releases Spent
221005 Hire of Venue (chairs, projector, etc)	0.01	0.00	0.00	49.0%	49.0%	100.0%
221006 Commissions and related charges	0.62	0.57	0.57	91.7%	91.7%	100.0%
221007 Books, Periodicals & Newspapers	0.05	0.04	0.04	85.7%	85.7%	100.0%
221008 Computer supplies and Information Technology (IT	0.14	0.13	0.13	98.3%	98.3%	100.0%
221009 Welfare and Entertainment	0.75	0.75	0.75	99.8%	99.8%	100.0%
221011 Printing, Stationery, Photocopying and Binding	0.42	0.42	0.42	98.3%	98.3%	100.0%
221012 Small Office Equipment	0.08	0.08	0.08	96.5%	96.5%	100.0%
221016 IFMS Recurrent costs	0.29	0.29	0.29	99.5%	99.5%	100.0%
221017 Subscriptions	0.09	0.09	0.09	100.0%	100.0%	100.0%
222001 Telecommunications	0.13	0.13	0.13	93.4%	93.4%	100.0%
222002 Postage and Courier	0.04	0.04	0.04	98.7%	98.7%	100.0%
222003 Information and communications technology (ICT)	0.24	0.24	0.24	99.0%	99.0%	100.0%
223004 Guard and Security services	0.14	0.12	0.12	81.9%	81.9%	100.0%
223005 Electricity	0.22	0.17	0.17	79.7%	79.7%	100.0%
223006 Water	0.06	0.06	0.06	92.1%	92.1%	100.0%
223901 Rent - (Produced Assets) to other govt. units	0.00	0.01	0.01	N/A	N/A	100.0%
224001 Medical and Agricultural supplies	0.01	0.07	0.07	459.6%	459.6%	100.0%
224004 Cleaning and Sanitation	0.09	0.06	0.06	69.8%	69.8%	100.0%
224005 Uniforms, Beddings and Protective Gear	0.05	0.05	0.05	100.0%	100.0%	100.0%
224006 Agricultural Supplies	1.51	1.21	1.21	80.6%	80.6%	100.0%
225001 Consultancy Services- Short term	0.02	0.02	0.02	95.0%	95.0%	100.0%
226001 Insurances	0.04	0.03	0.03	78.0%	78.0%	100.0%
227001 Travel inland	1.93	2.00	2.00	103.3%	103.3%	100.0%
227002 Travel abroad	0.08	0.06	0.06	83.6%	83.6%	100.0%
227004 Fuel, Lubricants and Oils	1.03	1.00	1.00	97.6%	97.6%	100.0%
228001 Maintenance - Civil	0.12	0.11	0.11	97.2%	97.2%	100.0%
228002 Maintenance - Vehicles	0.23	0.20	0.20	87.6%	87.6%	100.0%
228003 Maintenance - Machinery, Equipment & Furniture	0.00	0.00	0.00	47.6%	47.6%	100.0%
228004 Maintenance – Other	0.07	0.06	0.06	81.8%	81.8%	100.0%
Dutput Class: Outputs Funded	1.91	1.70	1.70	89.0%	89.0%	100.0%
262101 Contributions to International Organisations (Curre	1.81	1.62	1.62	90.0%	90.0%	100.0%
264101 Contributions to Autonomous Institutions	0.10	0.07	0.07	71.4%	71.4%	100.0%
Output Class: Capital Purchases	1.53	1.53	1.53	100.0%	100.0%	100.0%
312101 Non-Residential Buildings	1.50	1.50	1.50	100.0%	100.0%	100.0%
312202 Machinery and Equipment	0.03	0.03	0.03	100.0%	100.0%	100.0%
Output Class: Arrears	0.74	0.74	0.74	100.0%	100.0%	100.0%
321605 Domestic arrears (Budgeting)	0.74	0.74	0.74	100.0%	100.0%	100.0%
Grand Total:	37.61	36.41	36.41	96.8%	96.8%	100.0%
Fotal Excluding Taxes and Arrears:	36.87	35.66	35.66	96.7%	96.7%	100.0%

Table V3.3: GoU Releases and Expenditure by Project and Programme*

Billic	on Uganda Shillings	Approved Budget	Released	Spent	% GoU Budget Released	% GoU Budget Spent	% GoU Releases Spent
VF:0	151 Agricultural Research	36.87	35.66	35.66	96. 7%	96.7%	100.0%
Recu	rrent Programmes						
01	Headquarters	25.00	24.22	24.22	96.9%	96.9%	100.0%
07	National Crops Research	0.36	0.33	0.33	90.6%	90.6%	100.0%
08	National Fisheries Research	0.20	0.16	0.16	79.6%	79.6%	100.0%
09	National Forestry Research	0.21	0.16	0.16	78.3%	78.3%	100.0%
10	National Livestock Research	0.21	0.16	0.16	76.8%	76.8%	100.0%
11	National Semi arid Research	0.21	0.16	0.16	76.8%	76.8%	100.0%
12	National Laboratories Research	0.36	0.27	0.27	75.6%	75.6%	100.0%
13	Abi ZARDI	0.10	0.09	0.09	86.0%	86.0%	100.0%

QUARTER 4: Highlights of Vote Performance

Billior	u Uganda Shillings	Approved Budget	Released	Spent	% GoU Budget Released	% GoU Budget Spent	% GoU Releases Spent
14	Bulindi ZARDI	0.10	0.09	0.09	86.0%	86.0%	<u>100.0%</u>
15	Kacwekano	0.10	0.09	0.09	92.4%	92.4%	<u>100.0%</u>
16	Mukono ZARDI	0.10	0.08	0.08	78.9%	78.9%	<u>100.0%</u>
17	Ngetta ZARDI	0.10	0.09	0.09	94.3%	94.3%	<u>100.0%</u>
18	Nabium ZARDI	0.10	0.09	0.09	88.8%	88.8%	100.0%
19	Mbarara ZARDI	0.10	0.09	0.09	86.5%	86.5%	100.0%
20	Buginyaya ZARDI	0.10	0.09	0.09	94.4%	94.4%	100.0%
21	Rwebitaba ZARDI	0.10	0.09	0.09	94.6%	94.6%	100.0%
26	NARO Internal Audit	0.08	0.08	0.08	91.1%	91.1%	100.0%
27	National Coffee Research Institute	0.21	0.13	0.13	65.1%	65.1%	<u>100.0%</u>
Develo	opment Projects						
0382	Support for NARO	9.13	9.19	9.19	100.7%	100.7%	<u>100.0%</u>
Tota	For Vote	36.87	35.66	35.66	96.7%	96. 7%	100.0%

* Excluding Taxes and Arrears

Table V3.4: Donor Releases and Expenditure by Project and Programme*

Billion Uganda Shillings	Approved	Released	Spent	%GoU	% GoU	%GoU
Builon Ogunuu Smuings	Budget			Budget	Budget	Releases
				Released	Spent	Spent
VF:0151 Agricultural Research	54.36	33.54	30.26	61.7%	55.7%	90.2%
Development Projects						
1139 ATAAS (Grant) EU, WB and DANIDA Funded	54.36	33.54	30.26	61.7%	55.7%	90.2%
Total For Vote	54.36	33.54	30.26	61.7%	55.7%	90.2%