

MINISTRY OF AGRICULTURE, ANIMAL INDUSTRY, AND FISHERIES
P. O. Box 102 Entebbe – UGANDA

UGANDA CLIMATE SMART AGRICULTURAL TRANSFORMATION PROJECT
(UCSATP)

ITEM SPECIFICATION FOR THE PRODUCTION INPUTS AND AGRICULTURAL EQUIPMENT FOR CROP VALUE CHAIN UNDER THE UCSATP.

SN.	LOT	ITEM DESCRIPTION	TYPE OF SUPPLY
	<i>(Lot)</i>	<i>(Item required)</i>	<i>(Refer to the category of the supplies/goods data base at the website and the district and specify what you supply).</i>
1	Lot 1	Seeds (maize, Soybean, Sorghum)	
		Maize	Hybrid drought tolerant maize varieties suited for mid altitude areas Certified seed of minimum germination 90%
		Sorghum	Drought tolerant sorghum varieties suited for mid altitude areas Certified seed of minimum germination 80%
		Soybean	Drought tolerant soybean varieties Certified seed of minimum germination 75%
2	Lot 3	Seedlings and cuttings (Mangoes, Cashew nuts, Cocoa, Hass Avocado)	
		Hass Avocado & Mangoes	Pot size: 6" X 9" Average Grafting Height: 30 cm Adequately hardened off seedlings Health: Free from signs of pest damage and disease symptoms The variety must be clearly identified and uniform
		Cashew nuts	Pot size: 6" X 9" Adequately hardened off seedlings Health: Free from signs of pest damage and disease symptoms The variety must be clearly identified and uniform
		Cocoa	Pot size: 6" X 9"

			<p>Adequately hardened off seedlings</p> <p>Health: Free from signs of pest damage and disease symptoms</p> <p>The variety must be clearly identified and uniform</p>
3	Lot 5	Fertilizers	<ul style="list-style-type: none"> • Granular fertilizers <ul style="list-style-type: none"> – NPK blend (15:3:26 + (28S + 3Mg + 0.3B), – NPK (20: 5;5), – NPK blend (20:20:18), – NPK blend (23:17:12 + (+3S+2Mg), – NPK blend (11:29:23), – NPK (17:17;17), – DAP, – CAN, – Coffee blends (NPK16:2:31 and NPK19:11:22) • Registered Foliar fertilizers • Registered organic fertilizers
4	Lot 6	Agro Chemicals (herbicides, Insecticides, fungicides, Pheromone Traps)	
		Herbicides	<ul style="list-style-type: none"> • Glyphosate and Glyphosate IPA salts • 2,4-D amine, mesotrione + Nicosulfuron, • Mesotrione+terbuthylazine + Nicosulfuron, • Nicosulfuron, • Pendimethalin, • Glufosinate ammonium, • Bentazone 15.5%, • Bentazone sodium salt 436g/l + MCPA potassium salt 71.4g/l
		Fungicides	<ul style="list-style-type: none"> • Tebuconazole 25%, • Tebuconazole 500g/kg + Trifloxystrobin 250g/kg, • Tebuconazole 200g/l + Trifloxystrobin 100g/l • Metalaxyl 8% + Mancozeb 64%, • Copper oxychloride 50-85%, • Carbendazim
		Insecticides	<ul style="list-style-type: none"> • Thiamethoxam 14.1% + Lambdacyhalothrin 10.6%, • Profenofos 40% + Cypermethrin 4%, imidacloprid 20%, • Enamectin benzoate 5%,

			<ul style="list-style-type: none"> • Imidacloprid + bifenthrin • Pirimiphos methyl 16g/kg + Permethrin 3g/kg • Aluminium phosphide 56%-57%, • Malathion-2%D, • Flubendiamide 480g/l, • Indoxacarb 85g/l + Enamectin benzoate 15g/l
		Pheromone traps	Fruit fly traps made using methyl eugenol or MAT blocks
5	Lot 7	Farm equipment and tools (knapsack / motorized spray pumps, overalls, gloves, aprons, gumboots, spray face masks, tarpaulins, hermetic bags, Wheel barrow, Pruning saws, Pangas)	
		Knapsack spray pumps	High pressure multipurpose knapsack sprayer, made of durable plastic. 16 - 20L capacity with wide carry straps
		Motorized spray pumps	High pressure Knapsack power sprayer with a two stroke air cooled petrol engine. Capacity 18-25L. Low vibrations, about 2Ltr/Min emission capacity
		Overalls	Heavy duty cotton work overalls for both men and women
		Gloves	Heavy Duty Rubber, Chemical Resistant Latex Work Gloves - 14", 18", 22"
		Spray vest (Aprons)	Backpack knapsack Sprayer Leakage Protection Vest made of chemical resistant material to protect the farmer from drips and leaks
		Gumboots	<ul style="list-style-type: none"> • Heavy duty knee boot PVC gumboots • Sizes: 6 - 12
		Spray face masks	Face masks with protective goggles for use during field chemical applications
		Tarpaulins	<ul style="list-style-type: none"> • Material: HDPE, LDPE Coating, 6 bands of 7.5cm width or the attachment points • Size: (Length: 6m, Width: 5 – 6m, Thickness: 8 mils)
		Hermetic bags	<ul style="list-style-type: none"> • Capacity: 100 kgs • Thickness of the film: 90 microns • Total weight of liner bag: 190 g. • Surface density: 90.3 gsm • Color: Clear

			<ul style="list-style-type: none"> • Dimensions: 130 cm x 80 cm • Bursting strength of fabric and seams: >357 KPa • Tensile strength: 64 Newton's/m² • Capacity: 100 kg, 90 kg or 50 kg • Oxygen Transmission Rate (OTR): 2.2 cc O₂/m²/day
		Pruning Equipment	<ul style="list-style-type: none"> • Pangas: <ul style="list-style-type: none"> - Sizes: 16, 18 and 19 inches, Blade material: carbon steel or stainless steel - Handle material: wooden or plastic - Color: silver or black - Unfoldable • Pruning saws/Blades: <ul style="list-style-type: none"> - Shape: circular - Handle: wooden or plastic - Material: steel - Sizes: 12 and 14 inches - Blade material: stainless steel - Unadjustable • Secateurs/pruning shears <ul style="list-style-type: none"> - Shape: Elbow - Scissor type - Blade material: high carbon steel - Handle material: metallic - Sizes: 8, 9 and 10 inches - Wire spring - Comfortable grip
		Wheelbarrows	Heavy duty single wheel iron wheelbarrow, Lightweight, Non-Slip Handles & Strong Peg Rests.
6	Lot 8	Micro Irrigation System	Detailed designs shall be provided.
7	Lot 9	Tractor hire services	1 axle tractors (8-12HP) 2 axle tractors (45 -95HP)