

**Specifications
John Deere Tractors
For Tennessee Wildlife Resources Agency (TWRA)
32801-12573**

A	Tractor 1 with Front End Loader Attachment	Cheatham WMA
	John Deere Tractor, Model 6R155	Item ID: 1000200644
	John Deere Loader Attachment, Model 640R	Item ID: 1000200645
B	Tractor 2 with Trade In	Meeman-Shelby WMA
	John Deere Tractor, Model 6175 M, 175 HP with Cab with Heat and Air & Radio	Item ID: 1000200646
	Trade In: New Holland 7740	
C	Tractor 3	Wolf River WMA
	John Deere Tractor, Model 6155M, 155 HP with Cab with Heat and Air + Radio	Item ID: 1000187376
D	Tractor 4 with Front End Loader Attachment	Yuchi Refuge
	John Deere Tractor, Model 6155M, Tractor, 155 HP, Air Seat, with Cab with Heat and Air + Radio	Item ID: 1000200647
	John Deere Loader Attachment, Model 640R	Item ID: 1000200645

A. Tractor 1 with Front End Loader Attachment – Cheatham WMA:

1. John Deere Tractor, Model 6R155 – Item Id: 1000200644
 - a. Tractor Requirements:
 - 1) 155 Horsepower Row Crop tractor (6R series)
 - 2) John Deere Link Modem
 - 3) Generation 4 4200 Command Center
 - 4) Electric-Select Control Valve (E-SCV) 3F (Electrical Valve 3 Functions) Mounting Frame
 - 5) Standard lighting package
 - 6) 20Forward/20Reverse Auto Quad plus Ecoshift Transmission
 - 7) Auto-trac ready
 - 8) Standard Cab package
 - 9) Standard seat
 - 10) No cab suspension
 - 11) Mirrors - Manual telescopic with wide angle
 - 12) Panorama doors, left and right entry
 - 13) Standard radio
 - 14) Right hand console
 - 15) Hydraulic pump 155 liters/minute (41 gallons per minute)
 - 16) 3 Electronic Select Control Valves– premium
 - 17) No mid-stack Select Control Valves

- 18) Rear PTO (Power take-off) 540/540E/1000
 - 19) Telescopic draft links with ball end (category 3)
 - 20) Center link with ball end (category 3)
 - 21) Sway control blocks
 - 22) Rack & Pinion rear axle 92mm (3.62 inch) x 2806mm (110.5 inch)
 - 23) No tire brand preference
 - 24) Dual rear wheels and tires, adjustable cast 480/80R42 radials
 - 25) 4Wheel Drive front axle, unsuspended
 - 26) Front wheels and tires, adjustable steel wheels 380/85R30 radial tires
 - 27) Front fenders for mechanical front wheel drive (MFWD)- turnable
 - 28) Fuel tank bottom guard
 - 29) Rear wheel weights (to balance front-end-loader) 554 kilograms (1221 pounds)
2. Front End Loader Attachment: John Deere Loader Attachment, Model 640R – Item ID: 1000200645
 - a. Front End Loader attachment Requirements:
 - 1) Loader Ready Package - Electrical SCV, 3 Functions
 - 2) Standard farm loader (640R)
 - 3) Non-self-leveling (NSL) three-function
 - 4) Includes all three function hoses and parts
 - 5) Three function single point hydraulic connection
 - 6) No hood guards
 - 7) No ballast box
 - 8) 2450mm (96 inch) global heavy-duty bucket with grapple brackets
 3. Loader Ready Package – Electrical SCV, 3 Functions:
 - a. Shall include electrical mid-stack SCV's
 - b. 3 function electrical independent control valve
 - c. mechanical joystick
 - 1) handle connected to the valve with cables
 - 2) buttons on the joystick:
 - a) front loader suspension,
 - b) rocker switch for 3rd function
 - d. Wiring harnesses
 - e. Loader mounting frames
 - f. Hood guard
 - g. Hydraulic connections from the valve up to front loader coupling point
 - h. Tractor half multi-coupler.
 4. Additional Requirements:
 - a. Vendor shall be an authorized John Deere dealer.
 - b. Tractor and front-end-loader shall be completely assembled and operational at time of delivery.
 - c. Manufacturer's warranty shall be included.
 5. Delivery:
 - a. Tractor shall be delivered within 300 days of award

- b. Delivery Location: Cheatham WMA shop, 1299 Headquarters Rd, Ashland City, TN
- c. Contractor shall ship the tractor FOB Destination.
- d. Point of Contact: TWRA WMA Manager Eric Tummins at Eric.Tummins@tn.gov or 615-792-4510
- e. Shall call two (2) days before delivery so that arrangements can be made.

B. Tractor 2 with Trade In – Meeman-Shelby WMA:

- 1. John Deere Tractor, Model 6175 M - Item ID: 1000200646

- a. Tractor Requirements:

- 1) 175 Rated Horsepower 6.8 Liter Diesel Engine
- 2) 194 Horsepower at Max Engine Speed
- 3) 20 Speed Power Quad Transmission / 4 Ranges with 5 Powershift speeds in each Range.
- 4) 25 MPH Transport Speed
- 5) Cab with Heat and Air + Radio
- 6) Air suspension seat
- 7) Left-side and Right-side Adjustable Mirrors
- 8) Rear Window Wiper & Washer
- 9) Hand and foot throttle control including 2 engine set speed controls
- 10) 4WD Front Axle - Unsuspended
- 11) Adjustable Steel Wheels
- 12) Front Wheel Size 420/85R28 R1W Radial
- 13) Rear Wheels Size 460/85R42 R1W Radial
- 14) Rack & Pinion Rear Axle with Cast Disc - 3.6" Shaft
- 15) Dual Rear Wheels
- 16) Front Fenders 4WD - Turnable
- 17) Front Base Weight - 110 kg
- 18) 10 Front suitcase weights 43 kg (95 pound)
- 19) Alternator 14 V/170 A
- 20) 175 Rated Horsepower 6.8 Liter Diesel Engine
- 21) 194 Horsepower at Max Engine Speed
- 22) 20 Speed Power Quad Transmission / 4 Ranges with 5 Powershift speeds in each Range.
- 23) 25 MPH Transport Speed
- 24) Cab with Heat and Air + Radio
- 25) Air suspension seat
- 26) Left-side and Right-side Adjustable Mirrors
- 27) Rear Window Wiper & Washer
- 28) Hand and foot throttle control including 2 engine set speed controls
- 29) 4WD Front Axle - Unsuspended
- 30) Adjustable Steel Wheels
- 31) Front Wheel Size 420/85R28 R1W Radial
- 32) Rear Wheels Size 460/85R42 R1W Radial

- 33) Rack & Pinion Rear Axle with Cast Disc - 3.6" Shaft
 - 34) Dual Rear Wheels
 - 35) Front Fenders 4WD - Turnable
 - 36) Front Base Weight - 110 kg
 - 37) 10 Front suitcase weights 43 kg (95 pound)
 - 38) Alternator 14 V/170 A
 - 39) Beacon Light
 - 40) Center Link with Ball End - Category 3
 - 41) Draft Links with Telescopic Ball End - Category 3N / Category 3
 - 42) Sway Control Blocks
 - 43) 19,951-pound Rear Hitch Lift Capacity
 - 44) Rear PTO (Power Take Off) - 540/1000 rpm
 - 45) Hydraulic Pump - 40.9 GPM (Gallons per minute)
 - 46) PFC (Pressure-and-Flow Compensated)
 - 47) Hydraulic System - 60 cc pump
 - 48) 3 Mechanical Rear SCVs (3 SCVs 450 Series) (Selective Control Valves)
 - 49) Power Beyond Preparation – Rear
 - 50) Fuel Tank Bottom Guard
 - 51) Minimum 16,534-pound Base Machine Weight
 - 52) 110.2" Wheelbase
 - 53) 750 Hour Engine Oil Change Interval
 - 54) 1500 Hour Hydraulic Oil Change Interval
2. Trade In: New Holland 7740
 - a. Allow for trade in of Ford New Holland 7740, State Asset Tag # P69519. See Attachment 1 for pictures and working condition of the New Holland 7740.
 3. Additional Requirements:
 - a. Vendor shall be an authorized John Deere dealer.
 - b. Manufacturer's warranty shall be included.
 4. Delivery:
 - a. Tractor shall be delivered within 300 days of award.
 - b. Delivery Location: Meeman-Shelby Forest Office, 910 Riddick Road, Millington, TN 38053
 - c. Contractor shall ship the tractor FOB Destination.
 - d. Point of Contact: TWRA Manager Chris Park at Chris.Park@tn.gov or 901-415-5957.
 - e. Shall call two (2) days before delivery so that arrangements can be made.

C. Tractor 3 – Wolf River WMA:

1. John Deere Tractor, Model 6155M - Item ID: 1000187376
 - a. Tractor Requirements:
 - 1) 155 Rated Horsepower Diesel Engine
 - 2) 172 Horsepower at Max Engine Speed (engine peak torque 535.47 foot-pounds)

- 3) 20 Speed Power Quad Transmission / 5 Ranges with 4 Powershift speeds in each Range.
 - 4) 25 MPH Transport Speed
 - 5) Cab with Heat and Air + Radio
 - 6) Air suspension seat
 - 7) Left-side and Right-side Adjustable Mirrors
 - 8) Rear Window Wiper & Washer
 - 9) Hand and foot throttle control including 2 engine set speed controls
 - 10) 4WD Front Axle - Unsuspended
 - 11) Adjustable Steel Wheels
 - 12) Front Wheel Size 420/85R28 R1W Radial
 - 13) Rear Wheels Size 460/85R42 R1W Radial
 - 14) Rack & Pinion Rear Axle with Cast Disc - 3.6" Shaft
 - 15) Dual Rear Tire Axle Stubbed (Duals Optional)
 - 16) Front Fenders 4WD - Turnable
 - 17) Front Base Weight - 110 kg
 - 18) 10 Front suitcase weights 43 kg (95 pound each)
 - 19) Alternator 14 V/170 A
 - 20) Beacon Light
 - 21) Center Link with Ball End - Category 3N
 - 22) Draft Links with Telescopic Ball End - Category 3N / Category 3
 - 23) Sway Control Blocks
 - 24) 14,991.4-pound Rear Hitch Lift Capacity
 - 25) Rear PTO (Power Take Off) - 540/1000 rpm
 - 26) Hydraulic Pump - 30 GPM (Gallons per minute)
 - 27) PFC (Pressure-and-Flow Compensated)
 - 28) Hydraulic System - 45 cc pump 114L/min
 - 29) 3 Mechanical Rear SCVs (3 SCVs 450 Series) (Selective Control Valves)
 - 30) Power Beyond Preparation – Rear
 - 31) Fuel Tank Bottom Guard
 - 32) Minimum 14,770-pound Base Machine Weight
 - 33) 108.9" Wheelbase
 - 34) 750 Hour Engine Oil Change Interval
 - 35) 1500 Hour Hydraulic Oil Change Interval
2. Additional Requirements:
 - a. Vendor shall be an authorized John Deere dealer.
 - b. Manufacturer's warranty shall be included.
 3. Delivery:
 - a. Tractor shall be delivered by 4-1-2023.
 - b. Delivery Location: Wolf River WMA, 13645 Yager Road, Moscow, TN 38057
 - c. Contractor shall ship the tractor FOB Destination.
 - d. Point of Contact:

TWRA WMA Manager Brandon Gilbert at Brandon.Gilbert@tn.gov or 615-232-4281

OR

Tony Duncan at Tony.Duncan@tn.gov or 731-431-1159
e. Please call two (2) days before delivery so that arrangements can be made.

D. Tractor 4 with Front End Loader Attachment – Yuchi Refuge:

1. John Deere Tractor, Model 6155M - Item ID: 1000200647
 - a. Tractor Requirements:
 - 1) 155 Rated Horsepower 6.8 Liter Diesel Engine
 - 2) 172 Horsepower at Max engine power
 - 3) 125 Horsepower rated at PTO (power take off) with max 136 hp at 1000 PTO rpm's: 100 kW
 - 4) 20 speed Power Quad or Auto Quad Transmission
 - 5) 45 cc hydraulic pump 114 liters per minute or 30 gallons per minute
 - 6) Power Beyond – Rear Selective Controls
 - 7) Additional Selective Control Remote to total 3 remotes
 - 8) Cab with Heat and Air and Radio
 - 9) Air seat
 - 10) Condenser screen for cooling package
 - 11) Floor Mat
 - 12) Standard seat/ Air ride seat if available
 - 13) Left-side and right-side Adjustable Mirrors
 - 14) 2 Front working lights, 1 rear working light
 - 15) Rear window wiper and washer
 - 16) Fuel Tank Bottom Guard
 - 17) Front Fenders 4WD - Turnable
 - 18) Alternator 14 V/170 A
 - 19) 4WD front axle unsuspended
 - 20) Adjustable cast wheels Rear Wheels Size 460/85R42, Front Wheel Size 420/85R28 R1W
 - 21) Sway Control Blocks
 - 22) Draft Links with Telescopic Ball End - Category 3N / Category 3
 - 23) Front Base Weight - 110 kg
 - 24) Rear Independent 540/1000rpm PTO (Power Take Off)
 - 25) Draft Links with Telescopic Ball End - Category 3N / Category 3
 - 26) 3 Mechanical SCVs (3 SCV 450 Series)
 - 27) Higher Hitch Lift Capacity 9,193 pounds
 - 28) Hood Guard
 - 29) Standard Toolbox
2. John Deere Loader Attachment, Model 640R - Item ID: 1000200645
 - a. Front End Loader Attachment Requirements:
 - 1) Loader Ready Package - Mechanical SCV, 3 Functions
 - 2) Standard farm loader (640R)
 - 3) Non-self-leveling (NSL) three-function
 - 4) Includes all three function hoses and parts
 - 5) Three function single point hydraulic connection

- 6) No hood guards
 - 7) No ballast box
 - 8) 2450mm (96 inch) global heavy-duty bucket with grapple brackets
3. Loader Ready Package - Mechanical SCV, 3 Functions:
 - a. Shall include mechanical mid-stack SCV's
 - b. 3 function mechanical independent control valve
 - c. mechanical joystick
 - 1) handle connected to the valve with cables
 - 2) buttons on the joystick:
 - a) front loader suspension,
 - b) rocker switch for 3rd function
 - d. Wiring harnesses
 - e. Loader mounting frames
 - f. Hood guard
 - g. Hydraulic connections from the valve up to front loader coupling point
 - h. Tractor half multi-coupler.
 4. Additional Requirements:
 - a. Vendor shall be an authorized John Deere dealer.
 - b. Tractor and front-end-loader shall be completely assembled and operational at time of delivery.
 - c. Manufacturer's warranty shall be included.
 5. Delivery:
 - a. Tractor shall be delivered within 300 days of award
 - b. Delivery Location: Yuchi Refuge, 3451 Breedenton Ferry Road, Evensville, TN
 - c. Contractor shall ship the tractor FOB Destination
 - d. Point of contact: Brian Letner at Brian.Letner@tn.gov or 423 637-2315
 - e. Please call at least two (2) days before delivery so that arrangements can be made.