

Equipment / Consumable	Item Number	Forestry Equipment List		Recommended	Industry Certification*
		Item Description			
		E=Equipment (life expectancy 5 or more years) C= Consumable (life expectancy less than 5 years) <i>*Contact Region Agricultural Education office for Industry Certification</i>			
E	1	Altimeter, Haga - Pistol grip, controlled damp pivot pointer with six scales. Hermetically sealed in durable metal case. Include leather case.		1	0
E	2	Aquariums- 50 gallon or larger observation and holding units, complete kits		1	0
E	3	Arc/ GIS program		1	0
E	4	Ax, Double Edge Bush Hook - Hand forged from high carbon steel, double edged blade 3" wide and 12" long, ground and heat treated, straight handle 36" long		2	1
E	5	Ax, Single Bit, 3 Lbs.		1	1
E	6	Balance- Electronic, LCD display, reading in grams, pounds and ounces, 2000 gram capacity in increments of 1 gram, full capacity tare, with AC adapter, may be battery operated		1	0
E	7	Bar Groove Cleaner- For use in cleaning grooves of chain saw bars; graduated 25, 35 and 45 degrees and 1/4", 3/8" and 7/16" depths		1	0
E	8	Bar Groove Gauges, One each of 0.58" and 0.61"		1	0
E	9	Bark Gauge- Measures bark thickness from 0 to 2" in increments of 1/10". Spring handle covers bit when not in use. Constructed of non-corrosive materials.		2	0
E	10	Biltmore Cruiser Stick		28	14
E	11	Binoculars- Wide view variable power 40 mm lens. Scratch resistant lens complete with neck strap and carrying case.		1	0
E	12	Bookcase, with adjustable shelves		2	1
E	13	Broadcast Spreader- Tractor drawn, 160 lb. capacity, pneumatic tires, polypropylene hopper and impeller, stainless steel flow plate. *Required for landscaping, nursery and turf.		1	0
C	14	Buckets- Plastic 2 to 5 gallon capacity		10	0
E	15	Cabinet, Flammable Liquid - 18 gauge steel panels, double wall top, bottom, sides and back with 1 1/2" air space between inner and outer panels. Unit should include screen flame arrestor vent, leak-proof sill at bottom; leveling feet on all 4 corners, 3 point lock; must meet National Fire Protection Association requirements.		1	1
E	16	Calculators-pocket type. Basic function including square root key.		28	28
E	17	Camera, Digital, with screw on UV Filter		1	0
E	18	Chain Breaker, Pocket Saw - Combination pattern for on-the-job repairs; for 1/4", .325", .354", .3/8", .404", 7/16" and 1/2" pitch; complete with punch.		1	0
E	19	Chain Saw- chain brake, automatic chain oiler and guard for bar and chain. *Required for nursery and landscape.		1	0
E	20	Chain Saw Chaps- Constructed of four layers of Kevlar between two layers of Cordura nylon. Adjustable belt, nylon webbing's with plastic snap lock buckle. adjustable leg straps with plastic snap lock closures.		2	1
E	21	Chain Saw File- Round blunt end, double cut various sizes. *Required for nursery and landscape. *Required with chainsaw.		4	1*
E	22	Chain Saw Foot Protectors- made of kevlar, full level cut protection across instep and around ankles, outer coverings of ko-dura, non-slip lug sole, Safety orange *Required with chainsaw.		1	1*
C	23	Chain Saw Gloves- Kevlar lining on back of and fingers over flexible leather with elastic knit wrist. *Required for nursery and landscape. *Required with chainsaw.		2	1*
E	24	Chain Saw Sharpening Kit- To include sharpening tool, guide, grinding wheels, spacers, adjustment gauge, and wrench. AC 120 volt or cordless. *Required with chainsaw.		1	1*
E	25	Chemical Respirator- For protection against common garden chemicals, insecticide dusts and sprays, to be furnished with 3 easy to replace dust filters and one chemical cartridge and 2 valves, adjustable headband.		1	0

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E	26	Chemical Storage Cabinet- Double walled construction with 1 1/2" air space. Built in vents and flash arresters. *Depends on what needs to be stored based upon the program needs.		1	1
E	27	Chest Waders		14	2
E	28	Clinometer- Housing of corrosion resistant lightweight metal, scale supported jeweled bearing assembly, moving parts, immersed in dampening liquid in sealed plastic container. Percent and Topographic scales to read to 150%, 1200' at 66' baseline with leather carrying case.		14	7
E	29	Compass, Land Measure- See- through plastic with movable cursor arm. 360 degree divided in 90 degrees quadrants with cardinal directions. 5" diameter.		28	14
E	30	Compass, Precision- Quadrants graduated in 1 degree increments. Aluminum housing, water resistant. Needle cards immersed in damping fluid for smooth motion. Needle cards pivot on jeweled tips. Complete with lanyard and case. To include declination adjustment.		2	0
E	31	Compass, Quadrant - Black rotating dial white graduations every 2 degrees. Needle pivots on jeweled bearing, dampened by clear no-freeze liquid. Built in magnetic declination adjusting screw. Sighting mirror with luminous points. Needle orienting arrow and lines. Include lanyard and case.		14	7
E	32	Compass, Silva Type Ranger- Graduated 0-360 degrees, liquid filled, transparent protractor plate, sighting mirror, declination offsetting device, transparent housing, magnetized needle encased in liquid, engineer's scale in inches and tenths on one side, millimeter scale on other side, 4" X 2 1/2" X 3/4", with case.		2	0
E	33	Compass, Staff - Azimuth and Quadrant graduations to one degree with declination adjustment. Needle lock with thumb screw. Folding sights with interchangeable scales. Circular spirit level mounted permanently on compass face. Complete with ball and joint socket and carrying case.		1	0
E	34	Computer Cart- With casters, includes surge protector, electrical outlets, adjustable shelves		1	0
E	35	Computer Printer, color		3	1
E	36	Computer, Desktop or Tower Configuration, IBM compatible or MacIntosh		14	8
E	37	Cooler- 60 qt. capacity with refreeze bottle in lid or as horizontal divider in chest. Folding handles 17" wide 16 3/8 " high, 25" long.		1	0
E	38	Cruiser Vest- Includes pockets with reinforced snap closures and brass grommet. Blaze orange 100% acrylic fabric.		7	2
E	39	Dibble- For planting container stock. Foot step. 1" to 1 3/4" diameter X 4" to 6" head.		1	0
E	40	Digital Planimeter- 14" measuring range, 1 digit equals 0.01 sq. in. AC/DC with adapter and charger. Complete with carrying case.		1	0
C	41	Disposable Coveralls- Made of Tyvek protects from pesticides, paints and grease. Long sleeves, zipper front, collar, sewn. *As needed.		12	0
E	42	Draw Shave- Straight blade 13 1/2" X 2 1/4" with 6" wooden handles.		1	0
E	43	Drip Torch- 15 Gauge seamless aluminum tank. Double bottom with full length handle. Fuel trap on spout, check valve, breather valve, oil proof gaskets, sealed outlets.		1	1
E	44	Duckbill Cant Hook- Made from special analysis tool steel. 4' hickory handle.		1	0
E	45	Electric Extension Cord- Heavy duty, three conductor, single outlet, No. 12 wire, Type JFT, 125 volts, 15 amp., 50 ft. and/or 100 ft. long, complete with male and female plugs, GFCI protected		1	0
E	46	Electric Extension Cords, 50 Ft.- All vinyl, molded on plug and single outlet connector, flat parallel blades, wired with 3 AWG 12 copper conductors		1	0
E	47	elmo projection unit or equivalent		1	1
E	48	Emergency Eye Wash Station- Flash flood, lightweight unit, can be hung anywhere in shops, no plumbing required. Completely self contained, includes one gallon container of special solution		1	1

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E	49	Extinguisher, Fire and Foam Type - For class A and class B fir hazards, wood, paper, rubbish, gasoline, oil, paint, varnish and all flammable liquids; 2 1/2" gal. capacity, stainless steel construction, tested to 500 lbs. pressure		1	0
C	50	Eye Wash Bottle- Portable 16 oz. capacity with eye cup, air vent and drain tube		1	1
E	51	Fire Extinguishers- Type A, B, C, industrial type, rechargeable		1	0
E	52	Fire Pump- 5 gallon galvanized steel tank, hand operated slide action pump, adjustable spray nozzle, single braided flexible oil-resistant hose. Carrying handle and shoulder strap.		1	0
E	53	Fire Swatter Flap- 12" X 15" fabric reinforced rubber flap , 5' handle.		1	1
E	54	Fire Weather Kit- Kit to include wind meter, compass, sling psychrometer and slide rule, water bottle, notebook, pencil, and carrying case.		1	1
E	55	First Aid Kit- Industrial type, for use by up to 30 people, to contain the items which comply with State School Standards. *One for lab, and one for the classroom.		1	1
E	56	Gasoline Can, 2 1/2 Gallon- Safety type spout controlled by spring to hold cap closed tightly. Filtered pouring spout. Red with yellow precautionary lettering.		2	1
E	57	Gasoline Can, 5 Gallon Safety Type- Non flashback brass flame arrestor screen, red with yellow precautionary lettering		2	1
E	58	Global Positioning System,Hand Held Receiver Unit to include attribute labeling of entries, data storage, capable of accepting GPS correction, output format to link to CAD of GIS systems. Accuracy Single fix 15 meter or industry standard. Time of fix position is less that 1 minute. Battery operated Backlit display.		1	0
C	59	Gloves, Chemical Resistant		5	2
C	60	Goggles, Chemical Splash - Soft frame, single lens, stack strap vents, clear lens, elastic headband. May be worn over glasses. Meets ANSI Spec Z87.1.		5	2
E	61	GPS Receiver - Such as the Garmin e-trex 10 or equivalent. Any 12 channel GPS unit can be used.		28	14
E	62	Hands Lens		6	2
E	63	Hatchet, Broad, 3 1/2"- Axe-steel head, heat treated, tempered and polished, solid steel handle with neoprene grip, to be furnished with leather blade guard		2	2
C	64	Hearing Protectors- Liquid or foam filled, multi-position. Minimum NPR of 28. *Landscape		2	1
E	65	Heavy Duty Dip Nets - Durable Cotton Canvas and Polyester Canvas		14	5
E	66	Herbicide, Meter Jet Gun- Adjustable metering assembly. Adjustable seals. To include three nozzles and connect to 3/8" ID hose.		1	1
E	67	Hoe, Garden Type- Heavy duty type, 6 1/4 " X 4 3/4" beveled blade, one piece forging		1	0
E	68	Hoedad, Rasmussen curved blade		1	0
E	69	Hookeroon- Forged steel head, with hickory handle		1	1
E	70	Increment Borer- High quality steel, three thread design, Teflon coated. Will extract .200 inch core. Six to twelve inch length. Complete with holster.		2	1
E	71	Increment Borer Sharpening Kit- Includes assortment of stones and lubricant with cork.		1	1
E	72	iPad		1	0
E	73	Jacob Staff -		1	1
E	74	Land Measuring Wheel- Heavy duty, long distance for agriculture measurement, records up to 100,000 ft. without resetting		1	0
E	75	Laser Range finder- Measures yards or meters		1	0
E	76	Leg Guards- Made from corrugated polyethylene plastic; shin-protector, knee guard and over-shoe-top piece leather joints between parts, three leather and elastic adjustments, inside shock absorber		2	0
E	77	Level, Farm Type-12 power erecting telescope, 4 ft. minimum focus, rack and pinion external focusing and fixed cross hairs, 5 ft. stiff-leg tripod, leveling rod carrying case, plumb bob and direction hook.		1	1

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E	78	Leveling Rod- Fiberglass, 25' extended, increments of feet, tenths and hundredths.		1	1
E	79	Life Vest		1	0
E	80	Live Animal Trap		2	0
E	81	Log Rule- Hickory stock, stainless steel oval head. Scales logs up to 36" diameter. Scribner Decimal C Scale.		1	0
E	82	Logger's Cap- Polyethylene with rain trough fully dielectric, adjustable suspension with ear muffs with NPR 24-27 dB flip out position. Nylon mesh visor 6" X 11" full face protection. Cap to meet ANSI Class A and B requirements.		1	1
E	83	Manual Band Dendrometer- High tension for tress over 20"		2	1
C	84	Measuring Cup Set- glass or durable plastic, one each 8 oz, 16 oz, and 32 oz		1	1
E	85	Measuring Wheel- Steel 15" to 25" diameter wheel with resettable counter to 100,000. Folding handle with built in stand. Neoprene tire. Automatic brake to prevent back tracking.		1	1
E	86	Plant Press		28	14
E	87	Planting Bag, Tree - Neoprene coated nylon that is puncture, tear, abrasion and mildrew resistant. Silicon coated stitches at all stress points. Double bottom with stay open corners. Nylon belt with no slip buckles.		2	1
E	88	Planting Bar, Tree- All metal alloy steel construction. Blade and footstep one-piece construction. Flat or pointed blade. 3" to 4" wide, 10" to 12" long blade. Bar 38" to 40" long.		4	2
E	89	Plot, Center Stick		1	1
E	90	Pole Pruning Saw		1	0
E	91	Pole, Pruner		1	0
E	92	Prism- English 10 factor, leather case.		14	2
E	93	Prism, Double Right Angle - Double pentaprism for sighting two directions.		1	0
E	94	Professional Loppers		1	0
E	95	Promethean Board or equivalent		1	1
E	96	Pruner, Tree - Lightweight aluminum or fiberglass, revolving arm. Teflon blades. Reach increased by additional add-on sections.		1	0
E	97	Pruning Saw, 24"- 5 1/2 point draw cut teflon coated blade with laminated handle.		1	0
E	98	Pruning Shears, 8"- Anvil action V-shaped teflon coated blade, steel handles with cushion grips.		1	0
E	99	Pulaski-Forester ax- Combination head with ax and grub hoe. 3 3/4lb. head with 36" handle.		1	0
E	100	Rake, Fire - Four tempered steel blades riveted to steel back with handle eye, blades that can be replaced, wood handle. Forged no twist head 12" wide width with 4 heat treated teeth, 5' handle		4	1
E	101	Rake, Garden - Heavy duty type.		4	1
E	102	Rangefinder- Double image coincidnce rangefinder/height finder, range plus or minus 4.6' at 150'		1	0
E	103	Rangefinder, impulse laser-Distance or height measurements up to 1640'		1	0
E	104	Safety Glass Storage Cabinet- Metal cabinet with door locks, UL approved electrical system. Timer controlled built in germicidal lamp for minimum of 28 pairs of safety glasses.		1	1
E	105	Safety Glasses- 1 per each student, safety glasses which meet ASAE standards		28	28
E	106	Safety Hat- Plastic with rigid rolled-edge brim, vertically ribbed for extra strength, leatherette sweatband.		28	28
E	107	Saw, Bow- Tubular steel frame, chrome plated full throat, non-slip cushion grip with replaceable steel blades, various lengths.		1	1
E	108	Scale Stick, Tree and Log- Scribner scale designed to measure tree diameter, tree height, board foot volume of trees and board foot volume of logs		4	4
E	109	Scale, Fuel Moisture - Universal type meets U.S. Forest Service Spec. 461 to include 10 hour fuel moisture sticks and support bracket		1	0

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E	110	Screwdriver - Assorted set (flat/phillips)		2	2
E	111	Screwdriver, Standard Blade Sets		2	2
E	112	Shovel, Round Point D Handle - Heat treated steel blade 9 1/4" X 1/2" with forward turned step. 47" fiberglass handle.		10	5
E	113	Shovel, Square Point, 12"- 47", "D" fiberglass handle with rivets.		2	1
E	114	Shovel, Tile Spade Planting- High quality steel with 14" long 5" wide blade, full gusset along backspine with shoulder reinforcement. Fiberglass reinforced D handle.		1	0
E	115	Sieve Set - For Geological particle sizing		1	1
E	116	Sling Psychrometer- To measure relative humidity		1	0
E	117	Smoke Plotter - from Georgia Forestry Commission		28	14
E	118	Snake Chaps- Snakeproof from foot to thigh. Made of abrasion resistant waterproof Cordura nylon. Heavy duty brass zipper with belt loop and snap fastener. Assorted sizes.		28	1
E	119	Soil Auger- For tree feeding and soil testing, 2 in. diameter, 40 in. long with 6 in. twist, wood handle.		1	0
E	120	Soil Sampler, 21"- Draw cut, chromium plated. T-handle of tubular steel.		1	1
E	121	Soil Sampling - Bucket Auger		1	1
E	122	Sprayer, Backpack		8	1
E	123	Spreader, Hand operated- shoulder straps and bottom support plate. Enclosed gears. Min. 20lb. Capacity		1	1
E	124	Staple Gun- Electric or manual, safety on/off trigger lock, impact resistant heavy duty plastic/metal construction, uses staples 1/4" to 9/16" long		1	0
E	125	StereoMicroscope - for identifying macroorganisms, etc.		14	2
E	126	Stopwatch- Water and impact resistant. Displays hours down to 1/100 seconds. Lanyard and battery included. Digital display.		2	1
E	127	Tally Book- Leather with replaceable strap, Stiff back holds four 4" X 8" sheets.		4	0
E	128	Tally Meter- Counts from 0-9999, finger ring attached to plate metal case.		4	0
E	129	Tape, 100 Ft.- Fiberglass with reel 1/2" wide complete with folding end hook. Easily visible continuous graduations in feet, inches, and 1/8".		2	0
E	130	Tape, 300 Ft.- Fiberglass with reel 1/2" wide complete with folding end hook. Easily visible continuous graduations in feet, 10ths, 100ths.		1	0
E	131	Tape, Diameter - Direct reading of diameter , increments in tenths, other side linear in feet 10ths and 100ths.		14	7
E	132	Tape, Logger's - Automatic rewind, 75' long. Spring wind automatic in to steel case hardened steel gears. Combination tape feet, 10ths, 100ths, one side. Other side 120" diameter inches, 10ths. Steel tape.		14	7
E	133	Tape, Logger's - Horseshoe nail		28	14
E	134	Tensiometer		1	0
E	135	Transit Level- Designed for use on any job where vertical and horizontal alignment or measuring is required. 20x power, length 10 1/2", min. focus 4' aperture 750", polyethylene case, plump bob, tripod and instruction manual included		1	0
E	136	Tree Caliper- Aluminum 24" capacity, graduated inches, and 10ths on both sides.		1	0
E	137	Tree Injector- Designed with cutting bit on the end of the injector which when thrown through the outer and inner bark or into the inner three will form a pocket into which is released the herbicide mixed with diesel, 1 gal. capacity tube, weight 11 lbs. when empty		1	0
E	138	Tree Marking Gun		2	1
E	139	Vise, Pipe, Tristand - Portable, integral legs, folding tray, hanging slots for tools, pipe rest, 3 pipe benders, ceiling brace screw, 1/8" to 2 1/2" capacity vise.		1	0
E	140	Vise, Saw Chain- Adjustable for holding chain for accurate filing.		1	0
E	141	Water Pollution Detection Kit		1	0
E	142	Water Testing Kit		1	0

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E	143	Water Testing Kit, Hanna HI 38117BP or equivalent	1	1
E	144	Wheelbarrow, Heavy duty	1	0
E	145	Wind Speed Indicator- Turbine suspended on jeweled bearings with rotations sensed by infrared light beam. Four settings include mph, knots, fpm, and mps. Accuracy 3% or 1/10 mph. Range 0-99 mph.	1	0