

Equipment / Consumable	Item Number	Technical Area	Horticulture Equipment List		Recommended	Industry Certification*
			Item Description			
			E=Equipment (life expectancy 5 or more years) C= Consumable (life expectancy less than 5 years) GH: General Horticulture Course; FD: Floral Design Course; NL: Nursey Landscape Course; TPM: Turf Management Course <i>*Contact Region Agricultural Education office for Industry Certification</i>			
E	1	FD	2 Door Floral Display Cooler 52x32x74.5		1	1
E	2	FD	Floral Cooler		1	1
E	3	FD	Floral Cooler Buckets		15	10
E	4	FD	Floral Scissors		20	10
E	5	FD	Floral Snips		20	10
C	6	FD	Flower Stem Stripper		28	1
C	7	FD	Glue Gun- Heat-resistant plastic housing, handle, 110-120 volt, 60 cycle, AC, UL listed		10	5
C	8	FD	Needlenose Pliers		20	15
E	9	FD	Ribbon Holder		3	1
C	10	FD	Ribbon Scissors		10	5
C	11	FD	Round Needlenose Pliers		20	15
C	12	FD	Steelpix Machine- Hand operated for picks 1 3/4" to 4 1/2"		2	1
C	13	FD	Stem Cutter- For fresh flowers		1	1
E	14	FD	Walk In Floral Storage Cooler - 12x20		1	0
C	15	FD	Wire Cutters		20	15
E	16	GH	Bench, Greenhouse - Rolling/stationary, galvanized expanded metal top, 15 lb. psf load capacity. Benches can be constructed with 3', 4', 5', and 6' widths and 8', 10', and 12' lengths. Greenhouse Contractor can provide a floor plan on bench arrangement and number of benches requested. *Depending on size of greenhouse.		18*	*
C	17	GH	Buckets- Plastic 2 to 5 gallon capacity		10	5
E	18	GH	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	19	GH	Cabinet, Sterilization and Storage, for Safety Goggles- 40 pair capacity and safety glasses		1	1
C	20	GH	Calculators- Pocket size, calculates in feet, inches and fractions		28	14
E	21	GH	Camera, Digital video		1	0
E	22	GH	Camera, Digital		1	0
C	23	GH	Chef's Aprons, 100% cotton or cotton blend, 36"L X 30"W, with ribbon ties		28	12
E	24	GH	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	1
E	25	GH	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	26	GH	Computer (Laptop, Desktop or Tablet)		20	14
E	27	GH	Computer Printer, color		1	1
E	28	GH	DVD Recorder/Player		1	0
E	29	GH	Edger - 2cycle air cooled with recoil starter- Replaceable serrated blade 14" X 2 1/2", oval handle. Length 30" to 40".		6	1
E	30	GH	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		4	2
E	31	GH	Extension Watering Handle, 24"- Aluminum extension handle to permit watering in hard to reach areas. 3/4 in. diameter with 65 degree bend at male end. Rubber grip on handle.		4	2
E	32	GH	Eye Wash Station		1	1

Equipment / Consumable	Item Number	Technical Area	Horticulture Equipment List		Recommended	Industry Certification*
			Item Description			
			E=Equipment (life expectancy 5 or more years) C= Consumable (life expectancy less than 5 years) GH: General Horticulture Course; FD: Floral Design Course; NL: Nursey Landscape Course; TPM: Turf Management Course <i>*Contact Region Agricultural Education office for Industry Certification</i>			
E	33	GH	Fertilizer Injector- flow rate 11 gpm minimum (recommend 14 gpm). Prop exterior adjustable.		1	1
C	34	GH	File Cabinet- Metal four drawers, letter size with lock.		2	2
C	35	GH	Fire Extinguishers- Type A, B, C, industrial type, rechargeable		1	1
C	36	GH	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
C	37	GH	Floral Shears		28	14
E	38	GH	Fogger Nozzle- Heavy duty, solid brass jets, 1 gal. per. min. capacity.		4	2
E	39	GH	Fork, Pitch- 12" wide with 6 prongs; 4 foot handle		2	1
C	40	GH	Funnel- Kitchen type, 4" and 1/2" spout, durable plastic or stainless steel, dishwasher safe		4	1
E	41	GH	Garden Mattock- Heavy duty type.		6	2
E	42	GH	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	2
C	43	GH	Gloves, Chemical Resistant		12	1
E	44	GH	Goggles, Chemical Splash - Soft frame, single lens, stack strap vents, clear lens, elastic headband. May be worn over glasses. Meets ANSI Spec Z87.1.		2	2
E	45	GH	Greenhouse- Minimum size 28 wide X 72 long (or min of 2,015 sq. ft); Poly carbonate ultraviolet resistant glazing, complete with benches, concrete walkway, floor drains, fully automated environmental controls.		1	1
E	46	GH	Hacksaw, Adjustable - Nickel plated steel frame, adjustable for 8", 10", or 12" blades, plastic pistol grip handle, complete with one blade		2	1
E	47	GH	Hammer, Curved Claw, 16 Oz.		14	2
C	48	GH	Handheld Sharpener- Carbide tip with finger protector.		1	0
C	49	GH	Hands Lens		20	14
C	50	GH	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		8	1
C	51	GH	Hearing Protectors- Liquid or foam filled, multi-position. Minimum NPR of 28.		1	1
C	52	GH	Hedge Shears, Blades Hedge, 8"- Lower blade notched and serrated, cushion grips on handles.		4	1
C	53	GH	Hoe, Garden Type- Heavy duty type, 6 1/4 " X 4 3/4" beveled blade, one piece forging		14	5
C	54	GH	Hose Reel- Durable poly frame, holds up to 200 ft. of 5/8" diameter hose, 3 ft. connector hose, stationary mount or wheel mount		4	2
C	55	GH	Hose, Soaker- 25' vinyl construction, one end fitted with 3/4" female hose swivel adapter, other end with removable end for flushing.		2	2
C	56	GH	Knives, Budding / Grafting, 6 1/2"- Stationary hand forged blade		1	1
E	57	GH	Ladder, Fiberglass, Step, 6 Ft.- 300 lb. rating, high strength extended channel rails with slip resistant safety shoe, 6' standing height		1	0
E	58	GH	Laminar Flow Hood, with UV light		1	0
E	59	GH	Lawn Sprinkler Demo Set: Demo different types of lawn irrigation systems		1	1
E	60	GH	Leaf Blower: Backpack		1	0
C	61	GH	Level, 48"- Brass bound mahogany 48 in. fitted with four plumb and two level vials with etched markings, glass lenses, hand holes		4	1
C	62	GH	Light Meter- To measure over a range of 10 to 10,000 foot candles.		5	1
C	63	GH	Lopping Shears- Professional grade for heavy duty use. Teflon coated draw cut blades, wooden		8	2
C	64	GH	Measuring Spoon Set- Durable plastic, graduated to 1/8 teaspoon		5	2
E	65	GH	Micro Viewer for Computer Link(For example: Elmo or Ken a Vision Viewer)		1	0
E	66	GH	Mist Propagation/ Time Switch Controlled Unit		1	1
E	67	GH	Mulcher- Minimum 8 horsepower		1	0

Equipment / Consumable	Item Number	Technical Area	Horticulture Equipment List		Recommended	Industry Certification*
			Item Description			
			E=Equipment (life expectancy 5 or more years) C= Consumable (life expectancy less than 5 years) GH: General Horticulture Course; FD: Floral Design Course; NL: Nursey Landscape Course; TPM: Turf Management Course <i>*Contact Region Agricultural Education office for Industry Certification</i>			
C	68	GH	Nozzle, Water Breaker		4	2
C	69	GH	Nozzle, Water Hose- Pistol grip, chrome plated non-corroding zinc body, brass and chrome plated steel parts, plunger and trigger type valve control, lock-on device, filter end		4	2
E	70	GH	Nursery Cart (Flatbed or wagon style)		3	1
C	71	GH	Nursery Spade		10	5
C	72	GH	pH Meter, portable		10	1
E	73	GH	Plant Propagation Center- 3 shelves with lights		1	0
C	74	GH	Pliers, Combination, 6"- Slip joint, chrome plated, flat and curved jaws with sharp matching teeth, 6" long		5	1
C	75	GH	Pliers, Diagonal Cutting, 8"- Side cutting, keen edged cutters and spring tempered handles, drop forged alloy steel, polished head, insulated and cushioned handles, milled teeth, long nose		3	0
C	76	GH	Pliers, Retaining Ring- Combination internal and external, straight pattern, for shaft diameters 1" - 1 7/16" and bore diameters 1 1/16" - 1 3/4".		1	0
C	77	GH	Pliers, Vise Grip, 10"- Lever action to hold jaws in holding position, quick release for removing pressure, straight jaws, 1 5/8"		3	0
C	78	GH	Post Hole Digger- Hinge type, 9" steel blades riveted to tell frame, 48" handles, to dig 6" diameter holes		6	2
E	79	GH	Pressure Washer		1	1
C	80	GH	Propagation Mats- Electric with thermostat		2	1
C	81	GH	Pruner, Bypass Hand		28	14
E	82	GH	Pruner, Tree - Lightweight aluminum or fiberglass, revolving arm. Teflon blades. Reach increased by additional add-on sections.		1	0
C	83	GH	Pruning Saw, 24"- 5 1/2 point draw cut teflon coated blade with laminated handle.		3	1
C	84	GH	PVC Cutter- Racket action		2	0
C	85	GH	Rake, All Purpose- Designed for removing thatch.		10	2
C	86	GH	Rake, Grading, 24"- Beveled teeth and back grading edge, 6 ft. tubular handle.		10	4
C	87	GH	Rake, Lawn and Leaf - 60 in. long, fan-type, 22 tempered spring steel tines, 19 1/2 in. wide.		10	2
C	88	GH	Respirator, Full Face- Wide vision polycarbonate scratch resistant anti-fog lens, low resistance filters and cartridges, perspiration relief port, face piece of silicon rubber. Replaceable cartridges to filter organic vapor and pesticides and assorted vapors/mists applications.		1	1
C	89	GH	Safety Glasses- 1 per each student, safety glasses which meet ASAE standards		28	28
C	90	GH	Safety Hat- Plastic with rigid rolled-edge brim, vertically ribbed for extra strength, leatherette sweatband.		28	5
C	91	GH	Scales: Measurement of Dried and Liquid Materials		4	1
C	92	GH	Screwdriver - Assorted set (flat/phillips)		2	2
C	93	GH	Seed Sower, Hand- Cloth hopper and shoulder strap, hand crank.		2	0
C	94	GH	Shovel, Round Point		20	10
C	95	GH	Shovel, Square Point		20	10
C	96	GH	Shovel, Tile Spade Planting- High quality steel with 14" long 5" wide blade, full gusset along backspine with shoulder reinforcement.		5	2
C	97	GH	Siphon Mixer- Sprays plant foods, chemicals and detergents. Connects to faucet and garden hose line. Brass suction tube, stainless steel strainer with backflow preventive check valve.		3	1
C	98	GH	Sling Psychrometer- To measure relative humidity		1	0
C	99	GH	Socket Sets, standard 1/4", 3/8", and 1/2" drives		2	1
C	100	GH	Soil Heating Cable, 60'- Lead-covered Electrical: 115 volts, 400 watts, 3.33 amperes, 60 cycle, single phase, thermostatic control furnished.		2	0
C	101	GH	Soil Moisture Meter		1	1

Equipment / Consumable	Item Number	Technical Area	Horticulture Equipment List		Recommended	Industry Certification*
			Item Description			
			E=Equipment (life expectancy 5 or more years) C= Consumable (life expectancy less than 5 years) GH: General Horticulture Course; FD: Floral Design Course; NL: Nursey Landscape Course; TPM: Turf Management Course <i>*Contact Region Agricultural Education office for Industry Certification</i>			
C	102	GH	Soil Test Kit- Reagents and equipment necessary to perform 100 to 300 diagnostic tests for the following chemicals: nitrates, phosphorous, potassium, acidity, magnesium, iron, aluminum, calcium, chloride, manganese.		1	0
C	103	GH	Soil Thermometers- 20 to 180 degrees F., 4" probe, rust and water proof		4	1
C	104	GH	Spading Fork		2	1
E	105	GH	Spray Suit, Chemical Resistant- To provide overall body protection, one piece construction, double protection snap and zipper front, oversized hood, made of flame retardant PVC and polyester		2	1
E	106	GH	Sprayer, 2-3 Gallon- Polyethylene tank, brass pump, hose, extension tube and adjustable shoulder strap.		3	2
E	107	GH	Sprayer, Backpack 3 gallon		2	1
E	108	GH	Spreader, Hand operated- shoulder straps and bottom support plate. Enclosed gears. Min. 20lb. Capacity		1	0
E	109	GH	Spreader, Wheeled- 30 lb. capacity, hopper polypropylene or fiberglass. Frame square tubular construction with baked on enamel, stainless steel rotary agitator plus vibrating feed opening. Corrosion proof, nylon bearings. Hand push ground driven. Gears precision die cast enclosed in cast aluminum gear box.		4	0
C	110	GH	Stopwatch- Water and impact resistant. Displays hours down to 1/100 seconds. Lanyard and battery included. Digital display.		15	0
E	111	GH	Storage Shed for growing media, tools, mower and various program equipment		1	1
E	112	GH	String Trimmer, Nylon Line- Air-cooled, 2-cycle Gasoline powered, centrifugal clutch, adjustable helper handle, semi-automatic line feed.		2	1
C	113	GH	Tape, 100 Ft.- Fiberglass with reel 1/2" wide complete with folding end hook. Easily visible continuous graduations in feet, inches, and 1/8".		4	2
C	114	GH	Tape, Measuring, 3/4" x 25' - Polished chrome case, toggle lock control positioned on front of case, 3/4" wide steel blade on bearing supported nylon spool, black numerals on white background, divided feet and inches to 16ths, foot marks and 16" centers clearly identified.		15	5
C	115	GH	Thermometer- High-low, records highest and lowest temperatures reached since previous settings and indicates current temperature, alcohol		2	1
E	116	GH	Tiller, Rear Tine- Type: Chain drive transmission. Adjustable heavy duty handle with panel mounted throttle and clutch controls. Adjustable steel drag stake and transport wheels. Engine: 8 H.P., 4-cycle air cooled with recoil starter.		1	0
C	117	GH	Tree Caliper- Aluminum 24" capacity, graduated inches, and 10ths on both sides.		1	1
C	118	GH	Trowel, Hand		28	14
E	119	GH	Truncheon Nutrient Meter: Measure EC, TDS and PPM scales. Auto turn on and off. Auto temperature compensation.		1	1
E	120	GH	Utility Cart- 26" pneumatic wheels, 16 to 18.6 cu. ft., 450 lb. capacity, 73" X 43" X 32 overall dimension, 1/2" exterior plywood construction.		1	0
E	121	GH	Water Hose Reel (hold 250' of 5/8" hose)		3	2
C	122	GH	Water Shut Off Valves- Brass, ball segment valve, 3/4" hose to hose.		2	1
C	123	GH	Water Test Laboratory Module Kit- Complete for testing pH, dissolved oxygen, carbon dioxide, nitrates, phosphates, silica, calcium, magnesium, ammonia, chlorine, iron, nitrite, sulfate, sulfide, hardness, etc.		1	0
E	124	GH	Wheelbarrow, Heavy duty		5	1
E	125	GH	Wrench Set, Adjustable- One each 6", 8" and 10"		1	0
E	126	GH	Wrenches, Hex - "L" shape, long pattern, 14 pcs. ranging in size from .050" to 5/16"		1	1
E	127	GH	Wrenches, Open End (6) - Hot forged alloy steel, chrome plated, 6 pieces, consisting of one each of the following: 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16", 3/4" x 13/16", 7/8" x 15/16".		1	1
E	128	NL	Broadcast Spreader		1	1

Equipment / Consumable	Item Number	Technical Area	Horticulture Equipment List		Recommended	Industry Certification*
			Item Description			
			E=Equipment (life expectancy 5 or more years) C= Consumable (life expectancy less than 5 years) GH: General Horticulture Course; FD: Floral Design Course; NL: Nursey Landscape Course; TPM: Turf Management Course <i>*Contact Region Agricultural Education office for Industry Certification</i>			
E	129	NL	Chain Saw- chain brake, automatic chain oiler and guard for bar and chain. <i>*Required for nursery and landscape.</i>		1	1*
	130	NL	Chain Saw Chaps - protective pants worn over ones clothing <i>*Required with chainsaw.</i>		1	1*
C	131	NL	Chain Saw File- Round blunt end, double cut various sizes. <i>*Required with chainsaw.</i>		1	1*
C	132	NL	Chain Saw Gloves- Kevlar lining on back of and fingers over flexible leather with elastic knit wrist. <i>*Required with chainsaw.</i>		1	1*
E	133	NL	Drawing Supply Kit/Cabinet- A special landscape drafting materials storage unit for class of 24. Heavy duty construction. Overall size 48" W x 22" D x 84" H. Includes: 24 drawing boards, 24 T-squares, 24 Pencil pointers, 24 Rolls drafting tape, 24 architects and engineer scales, 24 6" Bow compasses, 24 Metal erasing shields, 24 curves, 24 protractors, 24 10" 30-60 angles, 24 10" 45 angles, 3 Lettering sets, 12 doz. 2H and 12 doz. 4H pencils, 24 alvin circle templates, 24 colored pencil sets, 24 soft pencil erasers		1	1
E	134	TPM	Lawn Roller- 36" wide X 24" Diameter. Heavy gauge steel. Water ballast, scraper bar, roller bearings.		2	1
E	135	TPM	Lawn Sweeper		1	0
E	136	TPM	Mower, Reel, Besides the 17" push, all gas powered mowers are self-propelled 10 blade "Armor Plate" induction heat treated reel & heat treated bed knife Reel & drive clutch control (deadman type) Drive & clutch control adjustment Covered chain and gearing Briggs & Stratton & Honda motors Rear wheel cutting height adjustment Fine cutting height adjustment roller unit Trims within 1" against wall or tree Exclusive grass diverter fins High density polyethylene grass catcher with cover included Built-in mechanism allows for easy conversion to reverse reel for easy back lap sharpening Propelled by rear drive wheels with smooth tires ensures smooth take-off performance and operation Easy spin recoil starter Complies with all federal safety standards		1	0
E	137	TPM	Mower, Riding- Cutting height to adjust from 1 1/2 to 4 in. from driver's seat. Foot operated brake system. Blade clutch hand operated with safety interlock. Steel wheels with pneumatic tires. Transmission with forward and reverse gears. Engine: 8 H.P., 4-cylinder air cooled with recoil starter.		1	0
E	138	TPM	Mower, Rotary, 20-22" - Type: Steel housing with adjustable steel handle. Steel wheels with semi pneumatic tires with adjustable heights, 8" front and 14" rear wheels. Engine: 3 1/2 H.P., 4-cycle air cooled with recoil starter. Accessories to be furnished: 1 ea. Grass catcher.		1	0
C	139	TPM	Sod Edger		1	0
C	140	TPM	Sod Tamper- 8 in. X 8 in. with 4 ft. handle.		1	0
C	141	TPM	Soil Auger- For tree feeding and soil testing, 2 in. diameter, 40 in. long with 6 in. twist, wood handle.		1	0
E	142	TPM	Turf Cutter- 12" cut, 5 h.p 4 cycle gasoline engine, adjustable blade angle, 75 ft per min. travel speed, v-belt and roller chain drive, belt idler clutch, 8X1.75 semi-pneumatic traction wheels, 8X1.75 semi-pneumatic rear wheels.		1	0
C	143	TPM	Turf Plunger- 2 in. diameter core 32 in. long handle with vinyl grips.		1	1