

AGRISCIENCE EQUIPMENT & CONSUMABLES LIST

E=Equipment (life expectancy 5 or more years) C= Consumable (life expectancy less than 5 years)		Products	Recommended Quantity	Minimum Requirement	Fisher Part No.	Unit Price
E	7	Amp Meter, 0-25 amps clamp-on type	1	1	NC9903952	\$87.30
E	13	Aprons- For use in meats lab	14	14	17-987-107B	\$20.08
E	14	Aquaculture System- includes tank with drain, filter solids system, bio-filter system, pump, airstone	1	1	S06533	\$105.86
E	15	Aquaculture Test Kit- To furnish all materials for pond fish culture testing. Unit to be supplied with lab ware, sampling bottle, and reagents for 50 tests of each factor.	1	1	S23199	\$55.98
E	17	Aquarium-10 gallon observation and holding unit, complete kits	4	2	NC9886456	\$115.00
E	18	Aquarium-29 gallon observation and holding unit, complete kits	4	2	NC0100761	\$92.25
E	20	Aquatic Kick Net	16	6	S06539	\$1.01
E	25	Autoclave- Chamber size, approximately 7.5" X 15" deep	1	1	S47334	\$18.59
E	30	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	6	3	S94793B	\$62.31
E	31	Balance- Triple beam laboratory balance, calibrated to 0.01 g, electronic analytical	2	1	S97280	\$62.98
E	45	Beaker Tongs	14	6	S50275	\$5.33
E	49	Products for Science Education Diversified Woodcrafts 4-Station Workbench	3	0	S01724MF	\$1,087.02
E	50	Benches- Work, 54" X 64" with metal base	5	1	S01724MF	\$1,087.02
E	64	Botany Dissection Set- Stainless steel	28	14	S17250	\$19.97
E	76	Brooder, Electric- For use with baby chicks	2	1	S65291	\$412.72
C	84	Buckets- Plastic 2 to 5 gallon capacity	10	5	NC9030480	\$5.65
E	86	Bunsen Burners	12	6	S95941	\$13.37
E	87	Flammables Cabinets	1	1	S51015MF	\$631.14
E	89	Cabinet, Sterilization and Storage, for Safety Goggles- 40 pair capacity and safety glasses	1	1	S47604B	\$586.25
E	93	Caliper, Dial Vernier - 0 to 6 inches, .100" graduation	4	1	12-122	\$67.22
E	107	Centrifuge- Bench top, accommodates standard 10 ml and 15 ml tubes, electric timer, 3400 RPM minimum	3	1	NC0149764	\$271.59
E	111	Chain- Obstetrical, Handle, Heavily chrome-plated, 30" to 60"	2	0	NC0249741	\$0.00

E	221	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.	2	0	19-055-521	\$159.43
E	122	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.	3	1*	19-075-393G	\$1,010.42
E	185	Desiccator Pump	1	0	S33527	\$17.25
C	192	Disposable Coveralls- Made of Tyvek protects from pesticides, paints and grease. Long sleeves, zipper front, collar, sewn. *As	12	6*	013611B	\$134.60
E	193	Dissecting Kit for Zoology, stainless steel with bone splitter and	28	14	S17251	\$19.85
E	194	Dissection Kits- standard	12	12	S17259	\$7.54
E	196	Disinfecting Trays, with covers	28	14	NC0227388	\$107.31
E	198	Draining and Drying Rack- For laboratory glassware, with galvanized metal drain pan, 90 piece capacity, vinyl coated wire	2	1	S47855	\$80.40
E	226	Egg Incubator- Still air, constant temperature, constant humidity, including thermometer and thermostat, 110 volt AC	2	1	S50455	\$314.23
E	238	Electronic Tachometer- For use on magneto, battery or solid state ignition systems, measure 0-10,000 rpm.	2	1	02-401-2	\$72.38
E	239	Electrophoresis Kit, with UV transilluminator	1	1	S68644	\$256.61
C	247	Erlenmeyer Flasks- 1 Liter, heat resistant	6	3	S76106F	\$40.13
C	248	Erlenmeyer Flasks- 250 mL, heat resistant	10	5	S00144	\$29.15
C	249	Erlenmeyer Flasks- 500 mL, heat resistant	10	5	S00152	\$26.60
E	255	Eye Wash Bottle- Portable 16 oz. capacity with eye cup, air vent and drain tube	1	1	S31756	\$9.58
E	256	Eye Wash Station	3	3	S31755	\$20.80
E	262	File Cabinet- Metal four drawers, letter size with lock.	4	2	NC0211927	\$216.90
E	269	Fire Extinguishers- Type A, B, C, industrial type, rechargeable	3	3	S51214	\$57.62
E	273	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.	2	2*	S98413C	\$47.24
E	274	Flask Tongs- Stainless steel	5	2	S50276A	\$3.82
E	290	Forceps- Artery, stainless steel, 5 3/4"	1	0	13-812-4	\$35.47
E	295	Freeze Dryer or Vacuum Oven	1	0	13-263-20	\$2,233.54
E	296	Freezer- Chest or upright, 15 cubic foot capacity minimum, for storage of non-eatable laboratory consumables	1	1	13-262-50	\$2,160.45
C	315	Gloves, Chemical Resistant	12	12	S47342	\$17.72
C	316	Gloves, Steel Reinforced- for use cutting meats	10	1	19049009	\$11.20
C	317	Gloves, Welding - Made of leather, with insulated liner, min. overall length 13" with wide cuff for protection	4	2	19-065-556B	\$23.01
E	318	Glue Gun- Heat-resistant plastic housing, handle, 110-120 volt, 60 cycle, AC, UL listed	1	1	50-949-196	\$13.39

C	319	Goggles, Chemical Splash - Soft frame, single lens, stack strap vents, clear lens, elastic headband. May be worn over glasses. Meets ANSI Spec Z87.1.	28	28	S68660A	\$3.08
E	321	Goggles, Welding - Rubber fixable frame, adjustable headband, ventilated, with 2" x 4 1/4" shade, No. 5 filter plate	4	0	19-061-175	\$10.36
C	322	Graduated Cylinder- 50 ml, heat resistant, polypropylene,	14	7	S19230C	\$0.50
E	354	Hands Lens	20	14	S19230C	\$0.50
E	374	Hot plate, Laboratory Quality, Single Unit Buffet- Single range-type tubular, self-cleaning heating element, 1000 watts, 120V AC	7	4	S68085Q	\$194.97
E	381	Insect Net- Sweep type	14	7	S97334	\$19.66
E	382	Instructors Demonstration Desk- Complete with water, gas, sink electricity, overhead mirror as needed for specific course	1	1	S94747MF	\$1,495.06
E	397	Laboratory Tables- To accommodate 4 students, with sinks, water and gas connections, student storage, and standard laboratory	7	6	S94760MF	\$2,607.83
E	398	Laboratory Techniques Chart Animals- Approximately 36" X 36"	1	1	S45572	\$65.63
E	429	Magnifier- Extension arm type, with built-in light unit, 5" 3 diopter glass lens	1	1	12-071-10	\$65.05
C	434	Measuring Cup Set- glass or durable plastic, one each 8 oz, 16 oz, and 32 oz	14	7	S95586	\$5.36
C	435	Measuring Spoon Set- Durable plastic, graduated to 1/8 teaspoon	14	7	S95589	\$1.37
E	441	Meter, Dissolved Oxygen, LCD read-out w/ 12' cable	1	0	S98197	\$206.36
C	442	Metric System Laboratory Chart- Approximately 36" X 36"	1	1	S45527	\$60.27
E	443	Micro Video Projector, for use with microscope	1	1	S66831MP	\$241.87
E	447	Micro-Pipetter- Standard 4" medicine dropper with rubber bulb	1	1	S304672	\$15.18
E	448	Microscope Lens- Oil immersion	2	1	12-561-100A	\$92.71
C	449	Microscope Slides- Glass with cover slips	4	1	S95711	\$4.86
E	450	Microscope- Stereo, 10X ocular lens, 4X, 10X, and 40X objective lens (par focal), stage with stage clips and iris diaphragm, coarse and fine adjustment, external light source such as 10W gooseneck lamp, removable lens for attachment of oil immersion	10	5	S90014B	\$176.88
E	451	Microscope, Dissecting - With illuminator, 2X and 4X ratable objectives, adjustable interpupillary distance of 55 to 75 mm, large field of view and working distance	14	3	S66832F	\$213.73
E	470	Mortar, pestil, glass	7	4	12-970A	\$14.81
E	478	Multimeter- Volt, Ohm, ammeter	6	2	S77881	\$8.88
E	477	Eight-Function Benchtop Multimeter	1	1	S44211	\$164.99
E	499	pH Meter, portable	1	0	S96276	\$66.16
E	500	pH Tester- Pocket-size meter, waterproof	2	1	S90522	\$75.61
E	508	Pipetter- 10 ML, 1/10 ml subdivisions	1	0	S32282F	\$12.26
C	516	Plankton Net	2	1	S04124	\$16.72
E	517	Plant Display Cart- 5 tilting shelves, accommodates 1020 flats, 5" nylon or rubber wheels, pivoting front wheels for easy steering, fixed rear wheels, stainless/galvanized steel	1	0	S17995	\$527.73

E	518	Plant Study Center- 3 shelves with lights	1	0	S17995	\$527.73
E	533	Pliers, Long Nose, 7"- Long nose with side cutter, natural steel finish with full polish, 7" long	10	2	NC9826841	\$25.10
C	559	Protractor Ruler- Plastic, protractor plus inches in 10ths and 20ths, 6"long.	10	0	S90547A	\$0.44
E	588	Refrigerator- 20 Cubic foot capacity minimum, with freezer compartment, for storage of non-eatable laboratory consumables	1	0	11-675-950	\$3,302.58
E	589	Refrigerator, 20 cubic foot capacity minimum, with freezer	1	1	11-675-951	\$1,611.11
E	593	Respirator	3	2	19-037-547B	\$90.52
C	598	Rubber Stoppers- Laboratory quality, #6	25	10	S50080H	\$8.54
E	600	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	S02304MF	\$1,008.11
C	629	Scapal, Safety- 10 K, with replacement blades	1	1	S17802	\$2.31
E	630	Screen Sieve Set	2	1	S53020A	\$29.15
E	637	Secchi Disk, with 30' nylon rope	2	1	S68338	\$19.36
E	658	Shovel, Round Point	2	1	NC0236443	\$32.76
E	665	Sieves- 20, 28, and 60 mesh	2	0	S53020	\$73.70
E	669	Sling Psychrometer- To measure relative humidity	2	1	S95617	\$59.23
E	678	Soil Auger- For tree feeding and soil testing, 2 in. diameter, 40 in. long with 6 in. twist, wood handle.	1	1	S67188	\$369.61
E	684	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	1	S85039	\$37.32
C	693	Spatula, Stainless Steel	6	4	S50788	\$34.81
E	697	Sprayer, 2-3 Gallon- Polyethylene tank, brass pump, hose, extension tube and adjustable shoulder strap.	3	1	NC9824218	\$116.00
E	698	Sprayer, Backpack	2	0	NC9891860	\$126.00
E	712	Stereo Microscope- 10 X ocular lens, 4X, 10X and 40X objective lens (parfocal), stage clips and iris diaphragm, coarse and fine adjustment, external light source such as 10W gooseneck lamp, removable lens for attachment of oil immersion lens and cabinet	10	5	S90012	\$225.64
C	713	Stirring Rods- Polypropylene coated metal, 9mm X 300 mm long	5	1	14-518	\$40.01
E	714	Stirring Unit- Separate stirring and heating controls, 80-1400 rpm, 120 V	1	1	S50450Q	\$138.50
E	716	Stopwatch- Water and impact resistant. Displays hours down to 1/100 seconds. Lanyard and battery included. Digital display.	14	1	S94792	\$4.12
E	717	Storage Bin, Soil/Soil Ingredients	3	0	S94853	\$107.27
E	718	Storage Cabinet- Steel, 36" X 42" X 73" with adjustable shelves for storing and securing instructional materials.	3	1	S68526	\$377.46

E	719	Storage Cabinet, Metal Eyewear - Factory assembled with door locks and UL approved three-wire electrical system. Timer-controlled, built-in germicidal lamp. Size: 24 1/2" W X 9 1/4" D X	1	1	S47604A	\$472.35
C	748	Test Tube Brush- Multifan tip, brush 3", overall 10"	10	6	03-573	\$1.13
E	750	Test Tube Holder- For up to 1" diameter test tubes	12	12	S99372	\$3.05
E	751	Test Tube Rack- 16 test tube capacity with drying pins Plastic autoclavable	6	6	S99451	\$5.73
C	752	Test Tubes- Standard 20 X 150 mm	100	100	S63291	\$48.91
E	753	Thermometer- High-low, records highest and lowest temperatures reached since previous settings and indicates current temperature, alcohol	2	0	15-077-976	\$29.12
E	754	Thermometer- Hydrometer- Float gauge in three colors with "Recharge", "Fair" and "Good" markings, range 1060 to 1320; recessed thermometer with range of 0 to 160 degrees, alcohol	2	0	S95612	\$36.05
E	761	Time Clock- 24 hour, 110 volt	2	1	S40705	\$137.35
E	762	Timer, LCD Electronic Display	6	3	06-662-8	\$20.81
E	765	Tongs, Utility- Stainless steel, plastic coated handles, dishwasher	6	3	S50279A	\$2.11
E	766	Torch, Gas - Alcohol portable or Bunsen burner	1	1	S41898	\$4.36
E	782	Ultraviolet Lamp	1	1	S95133	\$28.11
E	786	Vacuum Desiccator- Dry seal with sleeve valve	1	1	S97606	\$26.97
E	798	Waders	4	3	19-024-380	\$91.10
C	801	Water Hose- Double-reinforced rubber with permanently attached brass couplings.	4	2	NC9778917	\$15.44
E	804	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.	5	5	S66223	\$281.40
E	806	Watt Meter- AC/DC	1	0	S97698	\$207.03
E	812	Welder's Helmet- Fiberglass, fixed front lens, 4 1/2" x 5 1/4" lens, with floating headgear and sweat band with minimum number 10 shade lens (number 12 preferred)	6	0	18-999-4682	\$66.47
E	813	Welding Apron- Durable high quality leather constructed	6	0	19-047-759	\$18.18
C	822	Wire Brush- All purpose, bent handle, brush part 1" wide and 6" long, overall length 14"	3	0	03-685	\$18.80