

Equipment and Technical Guide for AU22 Sustainable Agriculture II

Category	Item	Quantity	Required?
tool	10 ml. graduated cylinder	1S	yes
tool	10 ml. pipette	1S	yes
tool	1000ml. flask	1S	yes
tool	10ml test tube	10S	yes
tool	20 ml test tube	10S	yes
tool	200 ml. beaker	1S	yes
tool	250 ml. graduated cylinder	1S	yes
tool	3/8" drive socket set	1C	yes
tool	5 ml. pipette	1S	yes
tool	5 ml. pipette pump	1S	yes
tool	50 ml. beaker	1S	yes
equipment	Animal Clipper	1C	yes
tool	Assorted flower pots	1S	yes
equipment	Backpack sprayer	1C	yes
tool	Basic tool kit	1C	yes
tool	Clinometer	3C	yes
tools	Combination wrench sets, standard and metric	1C	yes
tool	Compass	4C	yes
equipment	Computer with the latest available software and hardware	1:4S	yes
tool	Dissecting kit	10C	yes
tool	Ear plugs	1S	yes
equipment	Egg candler	3C	yes
equipment	Egg Incubator	1C	yes
equipment	Electric microscope	1:2S	yes
equipment	Garden Tiller	1C	yes
tool	Garden trowels	15C	yes
equipment	Gas powered blower	1C	yes
equipment	Germicidal cabinet for safety glass storage	1C	yes
equipment	Greenhouse minimum 20" x 50"	1C	yes
tools	Hammers	5c	yes
equipment	Hand held GPS	1:4S	yes
tool	Hand lenses	1S	yes
tool	Hole diggers	5C	yes
tool	Hose 50'	3C	yes
tool	Hose reel	3C	yes
tool	Increment borer	3C	yes
equipment	Incubator	1C	yes
tool	Lab jacket	1S	yes
equipment	Laser printer	1C	yes
tool	Light bank	1C	yes
tools	Lopping shears	5C	yes
tool	Magnet	1S	yes
tool	Magnifying lenses	1S	yes
tool	Medicine dropper	1S	yes
tool	Meter stick	1S	yes
tool	Metric ruler	1S	yes
equipment	Microscope , dissecting	1C	yes
tool	Microscope slides	10S	yes
tool	Mortar and pestle	1S	yes
tool	Nematode study kit	4C	yes
equipment	Pesticide cabinet	1C	yes
tool	Petri dish	5S	yes
tool	Pitch fork	10C	yes
tool	Plant tissue test kit	4C	yes
tool	Planting bar	2C	yes
tool	Portable circular saw	1C	yes
equipment	Portable electric drill. 3/8" drive	1C	yes
equipment	Portable grinder	1C	yes
equipment	Poultry brooder	2C	yes
tool	Pruning shears	12C	yes
equipment	Raised Plant Beds	1:4S	yes
tool	Rake	10C	yes
equipment	Refrigerator	1C	yes
equipment	Rotary spreader	1C	yes
equipment	Safety glass storage cabinet	1C	yes
tools	Safety glasses	1S	yes

tool	Safety goggles	1S	yes
tool	Scale or balance	1:2S	yes
tool	Scalpel	1S	yes
tool	Scissors	1S	yes
tool	Set of assorted markers	1S	yes
tool	Set of screwdrivers assorted size and type	1C	yes
tool	Slide cover slips	10S	yes
equipment	Small animal cages	1C	no
tool	Soil Tube	1C	yes
tool	Sponges	1S	yes
tool	Stirring rods	3S	yes
tool	Stopwatch	1S	yes
equipment	Stove/oven	1C	yes
tool	Test tube rack	1S	yes
tool	Test tube thermometer	1S	yes
tool	Tweezers or forceps	1S	yes

Category -

- **equipment** - is a non-expendable, tangible item. It is usually more feasible to repair it rather than replace it with an entirely new unit. It has a unit cost of over \$100.
- **tool** - is an expendable, tangible item. It is usually more feasible to replace it with an entirely new unit rather than repair it. It has a unit cost of less than \$100.
- **curriculum** - is additional curriculum materials.
- **software** - is computer software that is required or can enhance the instruction.
- **training** - is coursework or other professional development for the teacher.
- **subscription** - is for curriculum or supplemental material for a specified period of time.
- **supplemental** - is instructional resources that provide more information about or extend the content of a subject.
- **licensure/certification** - is examinations, license and certification fees for the students.
- **other** - is additional instructional resources.

Quantity - is the number of items needed for the (C) CTE classroom/lab, for the (B) school building, for the (L) LEA, or the number needed based on the number of (S) students in the classroom/lab.

In some cases the number is based on the (W) workstations in the classroom/lab. A classroom may be divided into several kitchen workstations or hospital bed workstations. In these cases the number of items is what is needed to equip one workstation. The number of workstations is based on the anticipated number of students taking that course at one time.

Quantity Examples:

- 1S = one of these items for each student in the classroom/lab
- 1S, 1C = one of these items for each student in the classroom/lab and an additional one in the classroom for the teacher
- 1:4S = one item for every four students in the classroom/lab
- 1B = one of these items per school building.
- 1L = one of these items per LEA (school district).
- 2C = two of these items per CTE classroom/lab.
- 3W-kitchen = three of these items per kitchen workstation in the classroom/lab.

Required?

- **yes** = This is required to teach the course.
- **no** = This is not required to teach the course.

Estimated Cost - This is the estimated cost of this item.

Contact Whom? - Should you contact the DPI Consultant or contact the vendor directly?