

Equipment and Technical Guide for AU12 Agricultural Production and Management II

Category	Item	Quantity	Required?
equipment	1 ton chain hoist	1C	yes
equipment	1 ton hydraulic jack	1C	yes
equipment	10" bench grinder	1C	yes
tool	10" or 12" tilting arbor saw	1C	yes
equipment	10" to 14" radial arm saw	1C	yes
equipment	12" woodworking band saw	1C	yes
tool	2", 3", 4", 6", & 8" C-clamps	5C	yes
tool	2', 4', 6' and 8' bar clamp set	5C	yes
equipment	4' x 8' d mp trailer	1C	yes
equipment	6" - 8" woodworking vise	5C	yes
equipment	6" bench grinder	1C	yes
equipment	6" machinist vise	1C	yes
equipment	6" or 8" jointer	1C	yes
equipment	80 gallon, 2- stage air compressor	1C	yes
equipment	Air filtration system for wood working and small engines	1C	yes
tool	Battery charger	1C	yes
equipment	Blacksmith anvil	1C	yes
tool	Bolt cutter	3C	yes
equipment	Briggs and Stratton tool set	5C	yes
equipment	Bush hog, cultivator, disc, fertilizer distributor, planter, plow for tractor	1C	yes
equipment	Cement mixer	1C	yes
equipment	Chain saw	1C	yes
tool	Clinometer	1C	yes
equipment	Computer with the latest available software and hardware	1:4S	yes
equipment	Cylinder truck	2C	yes
equipment	Diesel trainer	1C	yes
equipment	Drill press	1C	yes
equipment	Drill press vise 6" opening	1C	yes
equipment	Drill, 1/4", 3/8", and 1/2" electric, portable, variable speed	6C	yes
equipment	Dynamometer, small engine	1C	yes
equipment	Electric arc welder	5C	yes
equipment	Electric generator	1C	yes
equipment	Eyewash station	1C	yes
equipment	Farrowing crate	1C	yes
equipment	Flammable storage cabinet	1C	yes
equipment	Gas welding bench	2C	yes
equipment	Germicidal cabinet for safety glass storage	1C	yes
equipment	Greenhouse with ventilation system, evaporative cooling system,	1C	yes
tool	Grooming shoot	1C	yes
tool	Hand held GPS	1C	yes
tool	Hand truck	1C	yes
tool	Heavy-duty scale	1C	yes
equipment	Hinged pipe vise	1C	yes
equipment	Hydraulic system tester	1C	yes
equipment	Impact wrench with sockets and accessories	1C	yes
equipment	Increment borer	1C	yes
equipment	Incubator	1C	yes
equipment	Jack stand	6C	yes
tool	Log chain, 1/4" x 14"	1C	yes
equipment	Metal-cutting band saw	1C	yes
equipment	MIG welder	1C	yes

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equipment	Mortar pan	1C	yes
equipment	Oil tank, (used for oil)	1C	yes
equipment	Oxy-fuel welder outfit	2C	yes
equipment	Panel saw	1C	yes
equipment	Planer	1C	yes
equipment	Portable electric belt/disc/orbital sander	1C	yes
equipment	Portable electric grinder sander	1C	yes
tool	Portable electric sabre saw	5C	yes
tool	Portable reciprocating saw	1C	yes
equipment	Portable, electric circular saw	1C	yes
equipment	Post auger	1C	yes
tool	Post hole digger	3C	yes
equipment	Pressure washer	1C	yes
equipment	Propagation bench	1C	yes
equipment	Refrigerator	1C	yes
equipment	Root growth chamber	1C	yes
tool	Safety glasses/goggles	1S	yes
equipment	Sander, 6" belt, 12" disc finishing machine	4C	yes
tool	Scan-o-probe	1C	yes
equipment	Shop vacuum	1C	yes
equipment	small 2 and 4 cycle gasoline engine	10C	yes
equipment	Small engine stand	5C	yes
equipment	Small engine trainer	1C	yes
equipment	Soil auger (bucket)	1C	yes
equipment	Stationary scroll saw	1C	yes
equipment	Tap and die set, N.F. & N.C. - set 1/4" to 1"	1C	yes
equipment	Transit level (tripod and leveling rod)	1C	yes
tool	Ventilation fan for animals	1C	yes
equipment	Welding bench	5C	yes
tool	Wheelbarrow	1C	yes
equipment	Wood slat bench	16C	yes
equipment	Work bench	5C	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

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- 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.