# Equipment and Technical Guide for: AP43 Horticulture II-Turfgrass

| Category | Item | Quantity | Required? |
|---|---|---|---|
| equipment | 10" bench grinder | 1C | yes |
| equipment | 10" tilting arbor saw | 1C | yes |
| equipment | 15-gallon power sprayer, 2-2-1/2 HPgasoline engines, cart with hose and sprayer gun | 1C | yes |
| equipment | 3 gallon hand sprayer | 2C | yes |
| equipment | 4' and 5' rotary mower for tractor | 1C | yes |
| equipment | 4' x 8' dump trailer | 1C | yes |
| equipment | 6" bench grinder | 1C | yes |
| equipment | 6" machinist vise | 1C | yes |
| equipment | 80 gallon, 2- stage air compressor | 1C | yes |
| equipment | Air filtration system for wood working and small engines | 1C | yes |
| equipment | Briggs and Stratton tool set | 5C | yes |
| equipment | Broadcast spreader | 1C | yes |
| equipment | Cement mixer | 1C | yes |
| equipment | Chain saw | 4C | yes |
| tool | Clinometer | 1C | yes |
| equipment | Computer with the latest available software and hardware | 1:4S | yes |
| equipment | Disc harrow for tractor | 1C | yes |
| equipment | Dozing blade for tractor | 1C | yes |
| equipment | Drill press | 1C | yes |
| equipment | Drill, 1/4", 3/8", and 1/2" electric,portable, variable speed | 2C | yes |
| equipment | Drop spreader | 1C | yes |
| equipment | Electric generator | 1C | yes |
| equipment | Eyewash station | 1C | yes |
| equipment | Field cultivator for tractor | 1C | yes |
| equipment | Flammable storage cabinet | 1C | yes |
| equipment | Front end loader for tractor | 1C | yes |
| equipment | Germicidal cabinet for safety glass storage | 1C | yes |
| equipment | Greenhouse with ventilation system, evaporative cooling system, heating system, and humidifier | 1C | yes |
| tool | Hand truck | 1C | yes |
| Equipment | Hinged pipe vise | 1C | yes |
| equipment | Increment borer | 1C | yes |
| equipment | Jack stand | 6C | yes |
| equipment | Lawn mower | 1C | yes |
| equipment | Lawn mower with thatching equipment | 1C | yes |
| equipment | Lawn roller | 1C | yes |
| equipment | Measuring wheel | 1C | yes |
| equipment | Misting system, 6 mist nozzle complete with pipe, risers, timing clocks (Watco mist control complete with solenoid) | 1C | yes |
| equipment | Oil tank, (used for oil) | 1C | yes |
| equipment | Organic soil shredder | 1C | yes |
| equipment | Portable, electric circular saw | 1C | yes |
| equipment | Post auger | 1C | yes |
| tool | Post hole digger | 2C | yes |
| equipment | Pressure washer | 1C | yes |
| equipment | Propagation bench | 1C | yes |
| equipment | Root growth chamber | 1C | yes |
| tool | Rotary tiller | 1C | yes |
| tool | Safety glasses/goggles | 1S | yes |
| equipment | Shop vacuum | 1C | yes |
| equipment | small 2 and 4 cycle gasoline engine | 2C | yes |

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| | | | |
|---|---|---|---|
| equipment | Small engine stand | 5C | yes |
| equipment | Small engine trailer | 1C | yes |
| equipment | Soil auger (bucket) | 1C | yes |
| equipment | Solu-Bridge tester | 1C | yes |
| equipment | Time clock | 1C | yes |
| equipment | Transit with tripod and leveling rod | 1C | yes |
| equipment | Turf aerator | 1B | yes |
| equipment | Vibrator seeder | 1C | yes |
| equipment | Weed eater | 1C | yes |
| tool | Wheelbarrow | 1C | yes |
| equipment | Wood slat bench | 6C | 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 <u>not</u> required to teach the course.