

Plant and Animal Systems

The following is a sample of purchases recommended and approved for a Plant and Animal Systems Program which falls within the \$25,000 CTE Reserve Grant. Purchases are certainly not limited to the listed items but rather this is simply meant to serve as a guide for necessary items to start an Agricultural Education program with a Plant and Animal Systems Pathway.

For a complete equipment list for courses in the Plant and Animal Systems pathway go to www.SCAgEd.org

ITEM NO.	QUANTITY	ITEM	DESCRIPTION	ESTIMATED UNIT COST	ESTIMATED TOTAL COST
1	1	Chute	0Grooming chute, 76"l x 31"w x 72"h	\$412.00	\$412.00
2	2	Clipper	Clipmaster, variable speed, 3" head	\$312.00	\$624.00
3	1	Set	Freezebranding, 4" numbers and letters	\$150.00	\$150.00
4	1	Chute and Scale	Combination	\$3000.00	\$3000.00
5	1	Clamp	Emasculator, 12"	\$150.00	\$150.00
6	1	Kit	Soil Sampling	\$74.00	\$74.00
7	5	Sampler	Soil Sampler with Heavy Duty Tip	\$41.00	\$205.00
8	1	Tiller	6.5 HP, forward and reverse speed, depth regulator, rear mounted tine, 10" diameter, standard rotating tine	\$750.00	\$750.00
9	1	Sprayer	To calibrate, pull-behind, 25-30 gallon	\$250.00	\$250.00
10	1	Dehorner	Electric	\$85.00	\$85.00
11	1	Kit	Hoof Trimmer, cattle kit	\$72.00	\$72.00
12	1	Calf Puller	70" with ratchet	\$250.00	\$250.00
13	1	Kit	Eyewash station	\$325.00	\$325.00

ITEM NO.	QUANTITY	ITEM	DESCRIPTION	ESTIMATED UNIT COST	ESTIMATED TOTAL COST
14	1	Incubator	Automatic turner, electric unit	\$336.00	\$336.00
15	1	Brooder	41 ³ / ₄ "l x 33 ¹ / ₄ "w x 10 ⁷ / ₈ "h	\$212.00	\$212.00
16	1	Soil Meter	For Moisture	\$110.00	\$110.00
17	5	Learning modules	Including Animal Science, Plant Science, and Biotechnology (ex. Can be found at www.agedstore.com)	\$2790.00	\$2790.00
18	1	Kit	Soil Testing	\$194.00	\$194.00
19	1	Light	Egg Candling, high and low intensity, 32 Candle power, 110 volt AC	\$215.00	\$215.00
20	12	Microscope	Binocular, 10x, 40x, 100x	\$760.00	\$9120.00
21	1	Projector	Microvideo for use with microscope	\$350.00	\$350.00
22	1	Kit	Soil formation	\$74.00	\$74.00
23	5	Tester	Soil Salinity	\$145.00	\$725.00
24	1	Tester	Soil and fertilizer	\$330.00	\$330.00
25	1	Soil Meter	For Moisture	\$110.00	\$110.00
26	12	Calculators	Adding machine, print	\$35.00	\$420.00
27	1	Balance	Electronic, LCD display, 2000 gram capacity, grams, pounds and ounces	\$156.00	\$156.00
28	1	Centrifuge	Benchtop, standard 10 ml and 15 ml tubes, 3400 RPM minimum	\$560.00	\$560.00
29	1	Stirring Unit	Separate stirring and heating controls	\$445.00	\$445.00
30	1	Stirring Unit	Separate stirring and heating controls	\$445.00	\$445.00
31	8	Tooth rakes		\$25.00	\$200.00

ITEM NO.	QUANTITY	ITEM	DESCRIPTION	ESTIMATED UNIT COST	ESTIMATED TOTAL COST
32	8	Leaf rakes		\$25.00	\$200.00
33	8	Shovels		\$35.00	\$280.00
34	2	Post Hole Digger		\$45.00	\$90.00
35	5	Global Positioning System	GPS 4000XL Satellite Navigator	\$950.00	\$950.00

Equipment should be of industrial quality

Total Cost excluding State Sales Tax

\$24659.00