

# Situation 1 – Beginning Inventory of a Livestock Trailer for livestock SAEs

The beginning value is \$8,500, a useful life of 20 years and a salvage value \$7,000. Calculate annual depreciation and book value at year 4.

Annual deprecíation =	Book Value Endíng <u>Yr. 4</u>
(8500-7000)/20 = \$75 depreciation per yer	8500 -75 -75-75-75 = \$8,200 ending book value for year 4.

## Situation 2 – Purchased Sow used in a swine breeding SAE

Purchased in your second year for \$700, useful life of 5 years and a salvage value of \$550. Calculate annual depreciation and value at the end of year 4.

Annual depreciation =	Book Value Endíng <u>Y<b>r. 4</b></u>
(700 - 550) / 5 = \$30 depreciation per year	700 -30-30-30-30 = \$580 ending book
	value for year 4.

#### Situation 3 – Building a horse stall/barn for your Equine SAE

Purchased all materials for \$2,500 in your first year, useful life of 10 years and the ability to sell the barn and panels for \$1,500 at the end of your use. Calculate book value year 3.

	Annual depreciation =	Book Value Endíng <u>Yr. 3</u>
	(2500 - 1500) / 10 = \$100 depreciation per year	2500 -100-100-100 = \$2,200 ending book
		value for year 3.

#### Situation 4 – Purchased animal traps for wildlife business SAE

Purchased traps for \$1,200 in your last year, they have a useful life of 10 years and a resale value of \$800. Calculate the annual depreciation expense and book value at the end of year 1.

Annual depreciation =	Book Value Endíng <u>Yr. 1</u>
(1200 - 800) / 10 = \$40 depreciation per year	1200 - 40= \$1,160 ending book value for
	year 1.

#### Situation 5 – Beginning Inventory of Bull for Breeding Beef SAE

The beginning value of a bull for \$2,500 with a planned resale back to the breeder for salvage value \$2,400 and carries a useful life of 7 years. Calculate annual depreciation and book value at the end of year 2.

Annual depreciation =	Book Value Ending <u>Yr. 2</u>
(2500 - 2400) / 7 = \$14.29 depreciation per year	2500-14.29 - 14.29 = \$2,471.42 ending book value for year 2.

### Situation 6 – Purchased tractor for livestock and hay SAEs

Purchase a 56HP tractor for \$26,600 in your first year, salvage value of \$15,000 and a useful life of 20 years. Calculate annual depreciation and the book value at end of year 4.

Annual depreciation =	Book Value Endíng <mark>Yr. 4</mark>
(26,600 - 15,000) / 20 = \$580 depreciation per year	26,600 - 580-580-580-580 = \$24,280
	ending book value for year 4.

#### Situation 7 – Purchased animal scales for swine and goat SAEs

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Purchased animal scales for \$1,100 with salvage value of \$900 and carries a useful life of 10 years. Calculate annual depreciation and book value at the end of year 4.

Annual depreciation =	Book Value Ending Yr. 4
(1100 - 900) / 10 = \$20 depreciation per year	1100 - 20-20-20-20= \$1,020 ending book value for year 4.