Calculating Wildlife Opening Sizes CWOS030817
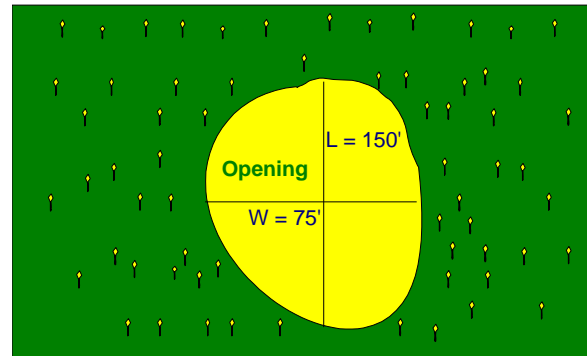
LINEAR OPENING:

Acres = $\dfrac{\text{length (L) x width (W)}}{43{,}560}$

Example: W = 75 feet
            L = 150 feet

$\dfrac{150 \times 75}{43{,}560}$ = 0.25 (1/4 acre)

Computing area of an opening

FIELD CORNER OPENING:

Note: Measure along each axis (e.g. field border, fence) from corner and connect the two points.

¼ acre = 104.4 x 104.4 feet = 10,899 sq. ft.
½ acre = 104.4 x 208.7 feet = 21,788 sq. ft.
1 acre = 208.7 x 208.7 feet = 43,560 sq. ft.

MEASUREMENT & AREA CONVERSION TABLES:

Length
Foot = 12 inches = 0.3048 meters
Yard = 36 inches = 3 feet = 0.9144
Mile = 1,760 yards = 5,280 feet = 1.61 kilometers = 80 chains

Area
Acre = 4,840 square yards = 43,560 square feet = 0.4047 hectare
Hectare = 10,000 square meters = 2.47 acres
Square mile = 640 acres = 2.59 square kilometers = 1 section

Calculating the acreage of an irregularly shaped wildlife opening can produce highly variable results without the use of a GPS or smartphone app. These relatively new technologies make it much easier to accurately determine the acreage of irregularly shaped wildlife openings. A GPS or smartphone app allows managers to walk or ride around an opening to determine the acreage. Accurate determination of wildlife opening acreage allows managers to apply the proper amounts of lime, fertilizer and seed.