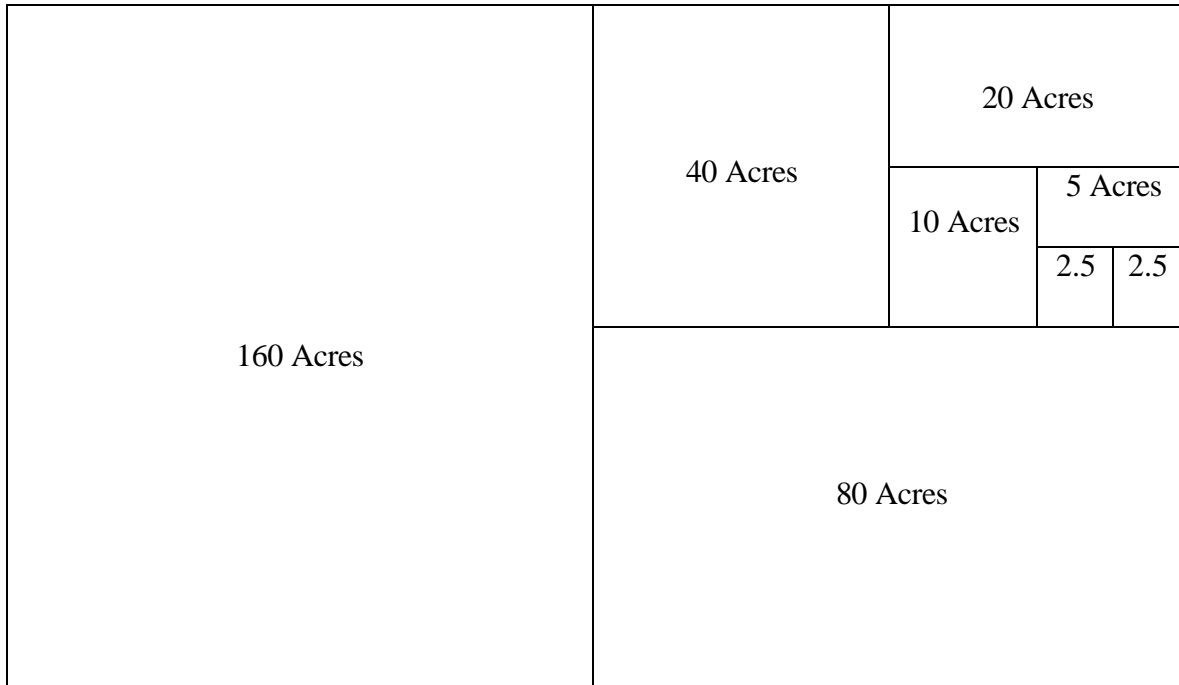


Acreage Estimation Tools

Known Acreage References

| | |
|------------------|-----------|
| Football Field | 1.1 Acres |
| Baseball Diamond | 0.2 Acres |
| Baseball Field | 2.1 Acres |

Section Acreage (1 square mile – 640 acres)



Large Acreage Estimates

1. Maintain a constant airspeed of 105 knots (120 mph)
2. Measure the average length and width of the incident in seconds
3. Measure in both directions to compensate for wind
4. Multiply the length by the width in seconds
5. Multiply the result by 0.711 to estimate acreage

GPS Acreage Estimates

1. Determine the dimensions of the fire in statute miles
2. Determine the area of the fire in statute miles (squared)
 - Rectangle = Length X Width
 - Triangle = $\frac{1}{2}$ Base X Height
 - Circle = 3.14 X Radius (squared)
3. Divide the result by 640 to estimate acres