

# Wildlife and Cover Crop Information

Soil test before planting to help insure success. Phosphorus (P) and potassium (K) fertilizers need to be applied annually. To grow legumes (clovers, etc.) P and K fertilizers are critical as is the soil pH level. If your planting site has a pH of 6.5 or less, adding lime to raise soil pH to a 7 level will be necessary for good legume production. Legume crops seldom need additional nitrogen (N).

Most non-legume crops (cereal grains, ryegrass, sorghum or brassicas) will benefit from nitrogen fertilization in the form of yield.

## Crop

### Annual Ryegrass

Seed time	1 <sup>st</sup> of September
Seed rate	Broadcast 20 lbs./acre (or 0.5 lb./1000 sq. ft.) Seeded 10 pounds per acre
Nitrogen Rate	110 lbs./acre of 46-0-0 after crop emerges (or 2.5 lbs./1000 sq. ft.)

### Oats

Seed time	1 <sup>st</sup> of September
Seed Rate	Broadcast 120 lbs/acre (or 2.75 lbs/1000 sq. ft.) Seeded 90 lbs./acre
Nitrogen Rate	110 lbs./acre of 46-0-0 fertilizer after crop emerges (or 2.5 lbs./1000 sq. ft.)

### Rye grain or Wheat

Seed time	1 <sup>st</sup> of September
Seed rate	Broadcast 160 lb./acre (3.7 lb./1000 sq. ft.)
Nitrogen Rate	110 lb./acre of 46-0-0 fertilizer after emergence (2.5 lbs./1000 sq. ft.)

Wheat makes two-thirds of its growth in the spring

Rye makes two-thirds of its growth in the fall

## **Legumes** (inoculate clover seeds before planting)

### Crimson Clover

Seed time	1 <sup>st</sup> of September
Seed rate	Broadcast 30 lb./acre (0.7 lbs./1000 sq. ft.) Seeded 15 lb./acre

Prefers well drained sandy soils

### Austrian Winter Peas

Seed time 1<sup>st</sup> of September  
Seed rate Broadcast 100 lb./acre (2.3 lb./1000 sq. ft.)  
Seeded 60 lb./acre

Not recommended in the Western half of Oklahoma

### Hairy Vetch

Seed time 1<sup>st</sup> of September  
Seed rate Broadcast 30 lb./acre (0.7 lb./1000 sq. ft.)  
Seeded 20 lb./acre

### Red Clover

Seed time 1<sup>st</sup> of September  
Seed rate Broadcast 20 lb./acre (0.46 lb./1000 sq. ft.)  
Seeded 10 lb./acre

### White or Ladino Clover

Seed time 1<sup>st</sup> of September  
Seed rate Broadcast 3 lb./acre (0.10 lb./1000 sq.ft.)  
Seeded 2 lb./acre

Use in eastern Oklahoma only. Will withstand more acid soils

### Turnips (brassicas)

Seed time 1<sup>st</sup> September  
Seed rate Broadcast 2 lb./acre (0.10 lb./1000 sq. ft.)  
Seeded 1 lb./acre

Nitrogen needs (similar to cereal grain). Apply 110 lbs. 46-0-0 fertilizer/acre after emergence (2.5 lb./1000 sq. ft.)

Mixture of wheat, legumes and brassicas will provide longer grazing seasons and longer growing season. Examples are shown below (all broadcast recommendations).

Wheat or rye grain	160 lbs./acre
Red or crimson clover	10 lbs./acre
Turnips	1 lb./acre

Rye grain	50 lb./acre
Hairy vetch	25 lb./acre
Crimson clover	10 lbs./acre

Wheat	100 lbs./acre
Turnips	2 lbs./acre