

## Single Treatment, 15 years after juniper establishment

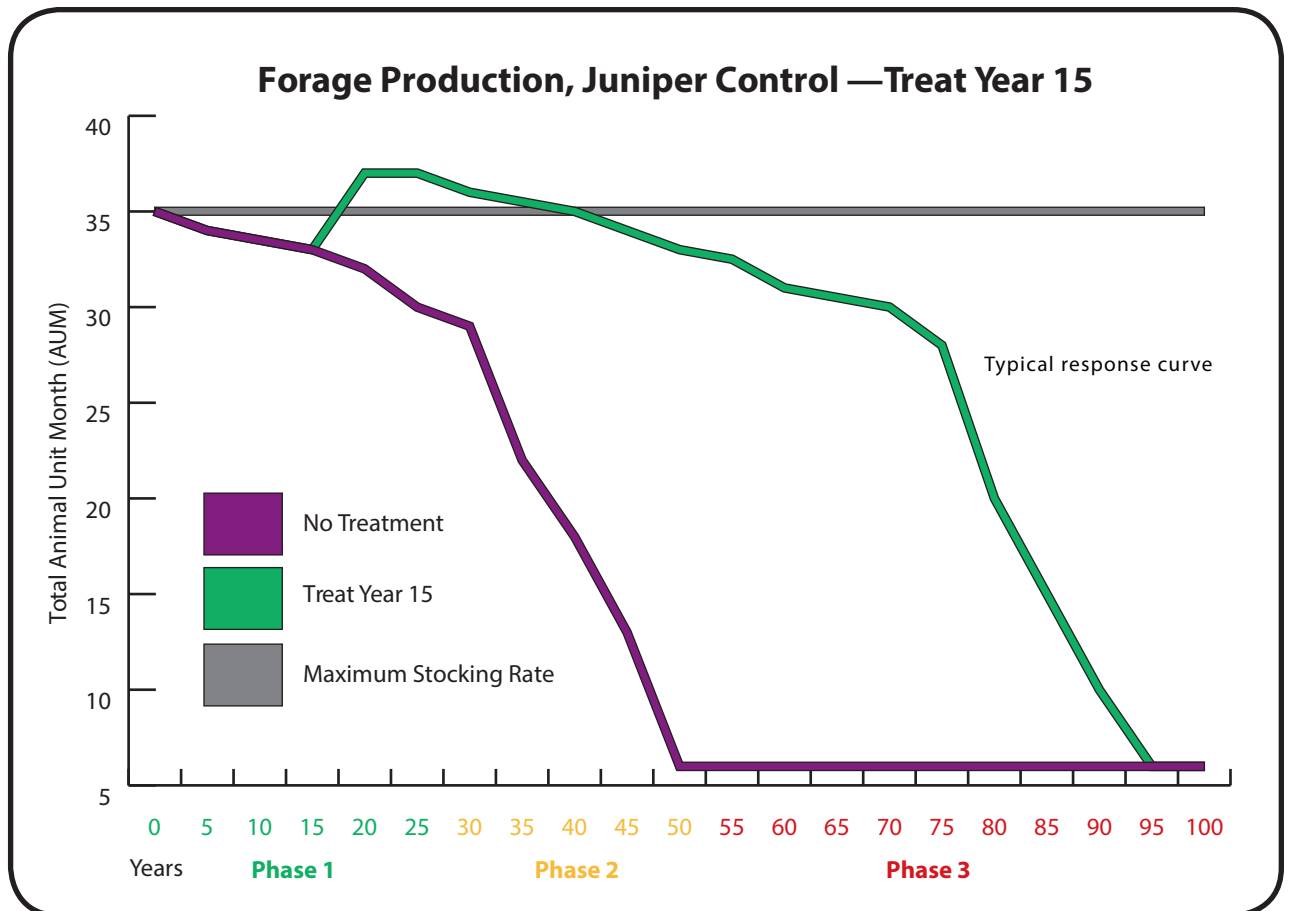
- Total Treatment Cost (\$/acre): \$40
- Evaluation Period: 75 years
- Increased Carrying Capacity (average AUMs/acre/year): 0.125
- Cost per AUM (\$/AUM): \$24
- Annual Net Benefits (\$/acre/year): \$0.97

### Phase I Juniper:

Juniper trees are present on-site but are a very minor component. Desirable deep-rooted perennial bunchgrass, forbs and shrubs dominate the site.

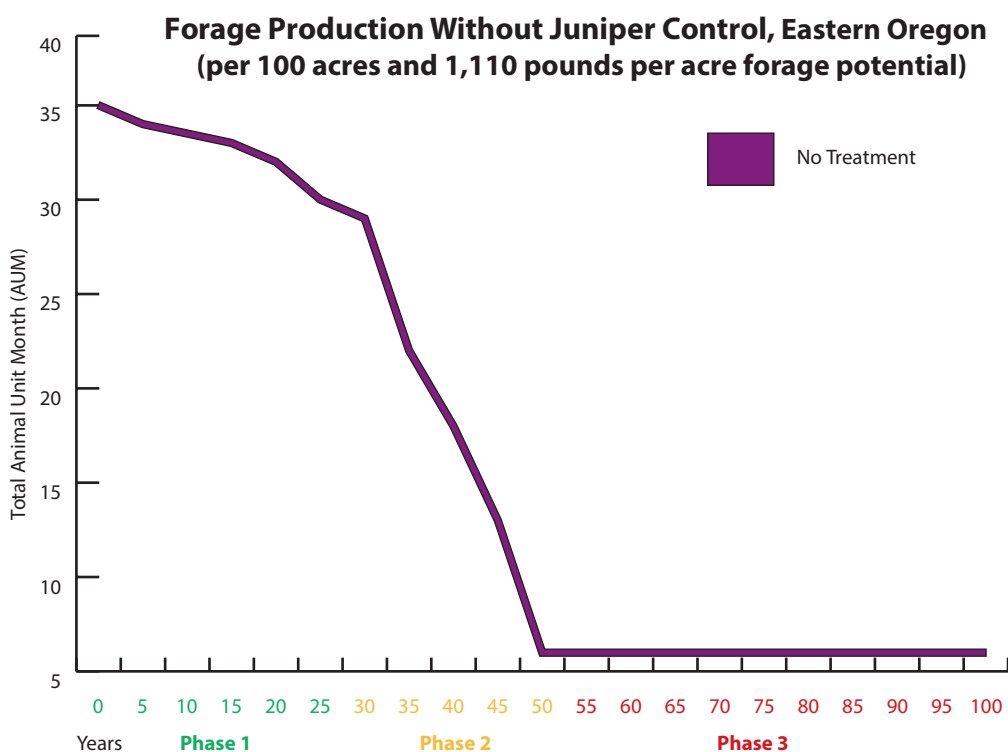
### Treat During Year 15:

- Remove encroaching juniper and prevent juniper re-establishment
- Burn or hand-cut juniper
- Forage production will remain at or near site potential
- Net forage benefits are about \$.97 per acre/year



Graph: On JD Clayey ecosite per 100 acre and 1,100 pound/acre forage potential "Year 0" represents juniper establishment.

## PHASE I JUNIPER



### Not Treating Juniper

**Evaluation Period:**  
75 Years

**Decreased Carrying Capacity (Avg. AUMs/Ac/Yr):**  
-0.17

**Annual Net Lost Benefits (\$/Ac/Yr):** -\$2.27

### Phase I Treatment Benefits:

- Maintain forage quality and quantity
- Improve or maintain soil health
- Maintain water infiltration
- Enhance real estate values and the scenic viewshed
- Maintain or improve wildlife habitat for a variety of species

### Phase I Treatment Risks:

- Short term costs of treatment
- Labor and time commitment
- Fire treatment and liability

**Recommendations (Phase I):** The optimal treatment period for juniper control to maximize forage production, based on the scenario described, occurs during Phase I before entering Phase II. Typically, it will take a relatively juniper-free range site about 30 years to enter Phase II. Note: Juniper treatment costs, forage response, timelines and actual numbers will vary with specific site conditions.