



KANSAS SUPPLEMENT TO CONSERVATION ENHANCEMENT ACTIVITY

CONSERVATION STEWARDSHIP PROGRAM

E328I

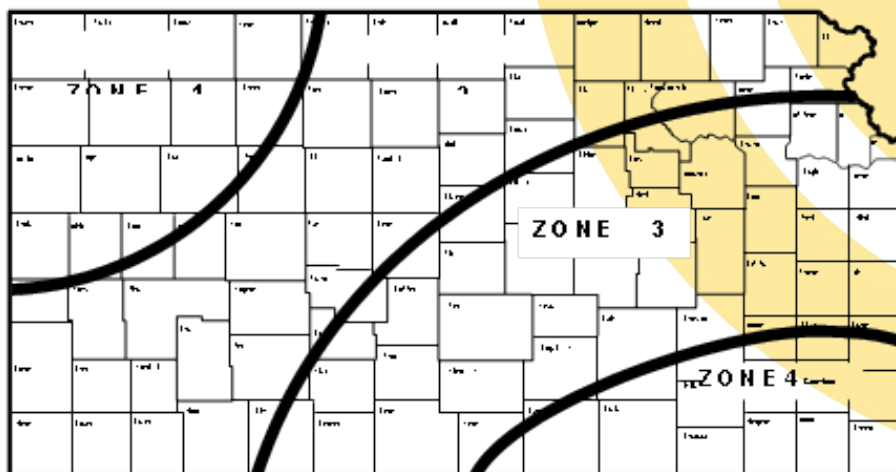
Forage harvest to reduce water quality impacts by utilization of excess soil nutrients

Additional Criteria for Kansas

In addition to the criteria specified in National Enhancement E328I, the following apply in Kansas:

- The general intent of this Enhancement is to enhance a crop rotation by providing plants to take up excess soil nutrients from the previous cash crop.
- A current soil test showing phosphorous (P) above 30 ppm Mehlich 3 or Bray 1. Olsen should have a value of 18 or greater.
- A Phosphorous or Eutrophication TMDL as listed by the Kansas Department of Health and Environment (KDHE).
- Plant species, seedbed preparation, seeding rates, seeding dates, seeding depths, fertility requirements, and planting methods will be consistent with applicable local site conditions.
- There is the probability of nitrate and prussic acid toxicity in forages and it is prudent to test the forages to see if they exist.

Warm Season Plantings





Crop	Zone 1	Zone 2	Zone 3	Zone 4
Sorghums	May 15–June 10	May 15–June 20	May 15–June 20	May 1–15/June 5–25
Sudangrass	May 15–July 1	May 20–July 10	May 20–July 10	May 20–July 10
Millets	June 1 – July 1	June 1 – July 1	June 1 – July 1	June – July 1
Pearl	June 1–July 1	June 1–July 1	June 1–July 1	June 1–July 1
Proso	June 1–July 1	June 1–July 1	June 1–July 1	June 1–July 1

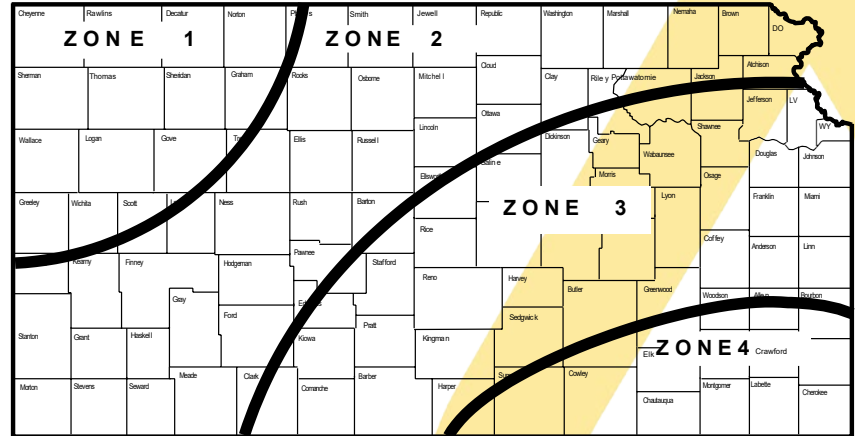
Rainfall				
	Western	Central	Eastern	
Crop	20" or less	20–30"	30" or more	Irrigated
(pounds per acre)				
Forage Sorghums	5-15	5-15	5-15	15
Sudangrass	10-15	12-20	20-30	30
Proso Millet	10	10	10	15
Pearl Millet	5-15	10-20	10-20	10-20
Sorghum- Sudangrass	10-15	12-20	20-30	30

Cool Season Plantings

Species	Region and Production System	Seeding Rate (lbs/ac)
Wheat	West, dryland	30-60
Wheat	West Irrigate	60-90
Wheat	Central	60-90
Wheat	East	75-100
Barley	West, dryland	30-60
Barley	West Irrigate	72-96
Barley	Central	60-96
Barley	East	72-96
Rye	West, dryland	30-60
Rye	West Irrigate	75-100
Rye	Central	60-75
Rye	East	75-100
Triticale	West, dryland	30-60
Triticale	West Irrigate	75-100
Triticale	Central	60-75
Triticale	East	75-100
Spring Oats	West, dryland	32-48
Spring Oats	West Irrigate	64-96
Spring Oats	Central	48-64
Spring Oats	East	64-96



Crop	Planting Date*
Wheat	Zone 1: 8/25–9/10
	Zone 2: 9/1–10/5
	Zone 3: 9/1–10/10
	Zone 4: 9/5–10/10
Barley	Zone 1: 8/25–9/10
	Zone 2: 9/1–9/20
	Zone 3: 9/10–10/15
	Zone 4: 9/10–10/5
Rye	Zone 1: 8/20–9/10
	Zone 2: 8/25–9/20
	Zone 3: 9/1–9/25
	Zone 4: 9/1–10/1
Triticale	Zone 1: 8/20–9/10
	Zone 2: 8/20–9/20
	Zone 3: 9/1–9/25
	Zone 4: 9/1–10/1
Spring Oats	Zone 1: 3/5–3/30
	Zone 2: 3/1–3/25
	Zone 3: 3/1–3/20
	Zone 4: 2/20–3/15



* With the later dates in these ranges, fall forage yields will be reduced.