"C" Factor Values for Kansas Crops

Crop: Corn Silage

Zone: 88D

Fall Mulch*

Percent Ground Cover After Planting

Corn Silage, After	0	10	20	30	40	50	60	70
Alfalfa	.32	.28	.24	.21	.18	.16	.14	.12
Corn	.37	.31	.26	.22	.19	.16	.13	.11
Corn Silage	.48	.42	.37	.32	.28			
Drilled Beans								
Grain Sorghum	.36	.30	.26	.22	.19	.16	.13	.11
Oats	.42	.34	.27	.22	.17	.14	.11	.09
Sorghum/Sudan	.46	.40	.34	.29	.25			
Soybeans	.44	.38	.33	.28	.24			
Sunflowers	.37	.32	.27	.23	.19			
Wheat	.36	.29	.23	.18	.15	.12	.09	.07

* First primary tillage operation performed in the fall

Spring Mulch**

Percent Ground Cover After Planting

Corn Silage, After	0	10	20	30	40	50	60	70
Alfalfa	.20	.18	.16	.14	.12	.10	.09	.08
Corn	.36	.30	.26	.22	.18	.16	.13	.11
Corn Silage	.49	.44	.39	.35	.31			
Drilled Beans	.43	.37	.32	.28	.24			
Grain Sorghum	.33	.28	.24	.20	.17	.14	.12	.10
Oats	.40	.32	.26	.21	.17	.14	.11	.09
Sorghum/Sudan	.47	.41	.35	.31	.27			
Soybeans	.36	.31	.27	.23	.20			
Sunflowers	.44	.39	.33	.29	.25			
Wheat	.34	.27	.22	.18	.14	.12	.09	.08

**First primary tillage operation performed in the spring.

Other Tillage Types

Corn Silage, After	FP	SP	NT
Alfalfa	.33	.22	.05
Corn Silage	.48	.50	.32
Corn, dryland	.41	.42	.13
Drilled Beans	.47	.47	.22
Grain Sorghum	.39	.38	.12
Oats	.46	.43	.17
Sorghum/Sudan	.48	.48	.27
Soybeans	.48	.48	.25
Sunflowers	.41	.42	.19
Wheat	.40	.38	.10

FP = Fall Plow
SP = Spring Plow
NT = No-till

Table provides cover factor ("C") for crop to be planted into selected residue levels of the prior crop, i.e. corn silage after oats.

"C" Factor Values for Kansas Crops

Crop: Drilled Beans

Zone: 88D

Fall Mulch*

Drilled Beans, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa	.22	.18	.14	.12	.09	.08	.06	.05
Corn	.30	.24	.19	.15	.11	.09	.07	.06
Corn Silage								
Drilled Beans	.34	.27	.21	.17	.13			
Grain Sorghum	.29	.23	.18	.14	.11	.09	.07	.06
Oats	.32	.26	.21	.16	.13	.10	.08	.06
Sorghum/Sudan	.39	.31	.25	.20	.16			
Soybeans								
Sunflowers	.29	.23	.19	.15	.12			
Wheat	.27	.22	.17	.13	.11	.08	.07	.05

* First primary tillage operation performed in the fall.

Spring Mulch**

Drilled Beans, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa	.21	.17	.14	.12	.10	.08	.07	.05
Corn	.27	.22	.18	.14	.12	.10	.08	.06
Corn Silage	.40	.36	.33	.29	.26			
Drilled Beans	.34	.27	.22	.17	.14			
Grain Sorghum	.25	.20	.16	.13	.10	.08	.07	.05
Oats	.31	.25	.20	.16	.13	.11	.09	.07
Sorghum/Sudan	.39	.32	.27	.23	.19			
Soybeans								
Sunflowers	.28	.23	.19	.16	.13			
Wheat	.26	.21	.17	.13	.11	.09	.07	.05

**First primary tillage operation performed in the spring.

Other Tillage Types

Drilled Beans, After	FP	SP	NT
Alfalfa	.24	.23	.06
Corn	.33	.30	.07
Corn Silage	.42	.41	.24
Drilled Soybeans	.37	.35	.04
Grain Sorghum	.31	.27	.06
Oats	.39	.34	.11
Sorghum/Sudan	.40	.39	.16
Sunflowers	.45	.31	.10
Wheat	.34	.29	.04

FP = Fall Plow
SP = Spring Plow
NT = No-till

Table provides cover factor ("C") for crop to be planted into selected residue levels of the prior crop, i.e. corn silage after oats.

"C" Factor Values for Kansas Crops

Crop: Sorghum Silage
Zone: 88D

Fall Mulch*

Sorghum Silage, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.37	.30	.23	.19	.15	.12	.09	.07
Corn Silage	.50	.44	.38	.33	.29			
Drilled Beans	.45	.33	.25	.19	.14			
Grain Sorghum	.35	.29	.23	.19	.15	.12	.10	.08
Oats	.42	.32	.25	.20	.15	.12	.09	.07
Sorghum/Sudan	.48	.39	.32	.26	.22			
Soybeans	.46	.37	.29	.23	.18			
Sunflowers	.37	.31	.25	.20	.17			
Wheat	.36	.28	.22	.17	.13	.10	.08	.06

* First primary tillage operation performed in the fall.

Spring Mulch**

Sorghum Silage, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.34	.28	.23	.18	.15	.12	.10	.08
Corn Silage	.49	.43	.37	.33	.28			
Drilled Beans	.42	.34	.28	.23	.19			
Grain Sorghum	.30	.25	.20	.17	.14	.11	.09	.08
Oats	.38	.30	.24	.19	.15	.12	.10	.08
Sorghum/Sudan	.47	.39	.33	.28	.23			
Soybeans	.44	.36	.30	.25	.21			
Sunflowers	.35	.29	.24	.20	.17			
Wheat	.32	.26	.21	.16	.13	.10	.08	.07

**First primary tillage operation performed in the spring.

Other Tillage Types

Sorghum Silage, After	FP	SP	NT
Corn, dryland	.41	.38	.12
Corn, Silage	.51	.50	.31
Drilled Beans	.47	.44	.16
Grain Sorghum	.39	.35	.11
Oats	.48	.42	.16
Sorghum/Sudan	.50	.48	.29
Soybeans	.49	.46	.11
Sunflowers	.41	.39	.16
Wheat	.42	.36	.10

FP = Fall Plow
SP = Spring Plow
NT = No-till

Table provides cover factor ("C") for crop to be planted into selected residue levels of the prior crop, i.e. corn silage after oats.

"C" Factor Values for Kansas Crops

Crop: Grain Sorghum
Zone: 88D

Fall Mulch*

Grain Sorghum, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.35	.28	.22	.18	.14	.11	.09	.07
Corn Silage	.33	.27	.21	.17	.14	.11	.09	.07
Drilled Beans	.43	.34	.26	.20	.16			
Grain Sorghum	.36	.27	.21	.16	.12			
Oats	.47	.38	.31	.25	.21			
Sorghum/Sudan	.47	.35	.27	.20	.15			
Soybeans	.39	.30	.23	.18	.14	.11	.08	.06
Sunflowers	.34	.26	.20	.15	.12	.09	.07	.05
Wheat	.42	.31	.22	.16	.12			

*** First primary tillage operation performed in the fall.**

Spring Mulch**

Grain Sorghum, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.32	.26	.21	.17	.14	.11	.09	.07
Corn Silage	.47	.38	.31	.26	.21			
Drilled Beans	.39	.32	.26	.21	.18			
Grain Sorghum	.28	.23	.19	.16	.13	.11	.09	.07
Oats	.36	.28	.22	.18	.14	.11	.09	.07
Sorghum/Sudan	.45	.37	.30	.25	.20			
Soybeans	.41	.33	.28	.23	.18			
Sunflowers	.33	.27	.22	.18	.15			
Wheat	.30	.23	.18	.14	.11	.09	.07	.06

****First primary tillage operation performed in the spring.**

Other Tillage Types

Grain Sorghum, After	FP	SP	NT
Corn, dryland	.38	.36	.11
Corn, Silage	.48	.47	.29
Drilled Beans	.44	.42	.19
Grain Sorghum	.37	.33	.10
Oats	.46	.40	.14
Sorghum/Sudan	.47	.46	.26
Soybeans	.47	.33	.22
Sunflowers	.39	.37	.17
Wheat	.39	.34	.09

FP = Fall Plow
SP = Spring Plow
NT = No-till

Table provides cover factor ("C") for crop to be planted into selected residue levels of the prior crop, i.e. corn silage after oats.

"C" Factor Values for Kansas Crops

Crop: Oats
Zone: 88D

Fall Mulch*

Oats, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.11	.09	.07	.06	.05	.04	.03	.03
Corn Silage	.17	.13	.10	.07	.05			
Drilled Beans	.13	.11	.09	.07	.06			
Grain Sorghum	.10	.08	.07	.06	.05	.04	.03	.03
Oats	.16	.12	.10	.08	.06	.05	.04	.03
Sorghum/Sudan	.17	.13	.10	.08	.06			
Soybeans	.13	.11	.09	.07	.06			
Sunflowers	.11	.09	.07	.06	.05			
Wheat	.13	.10	.08	.06	.05	.04	.03	.02

* First primary tillage operation performed in the fall.

Spring Mulch**

Oats, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.10	.08	.07	.06	.05	.04	.03	.03
Corn Silage	.16	.13	.10	.08	.06			
Drilled Beans	.12	.10	.09	.07	.06			
Grain Sorghum	.09	.07	.06	.05	.04	.03	.03	.02
Oats	.13	.11	.09	.07	.06	.05	.04	.03
Sorghum/Sudan	.16	.13	.10	.08	.07			
Soybeans	.13	.11	.09	.08	.07			
Sunflowers	.10	.08	.07	.06	.05			
Wheat	.10	.08	.07	.06	.05	.04	.03	.03

**First primary tillage operation performed in the spring.

Other Tillage Types

Oats, After	FP	SP	NT
Corn, dryland	.12	.11	.03
Corn, Silage	.17	.17	.11
Drilled Beans	.14	.13	.07
Grain Sorghum	.11	.10	.02
Oats	.22	.14	.05
Sorghum/Sudan	.17	.16	.09
Soybeans	.14	.13	.08
Sunflowers	.12	.11	.04
Wheat	.18	.11	.04

FP = Fall Plow
SP = Spring Plow
NT = No-till

Table provides cover factor ("C") for crop to be planted into selected residue levels of the prior crop, i.e. corn silage after oats.

"C" Factor Values for Kansas Crops

Crop: Soybeans

Zone: 88D

Fall Mulch*

	Percent Ground Cover After Planting							
Soybeans, After	**0**	**10**	**20**	**30**	**40**	**50**	**60**	**70**
Alfalfa	.31	.25	.21	.17	.14	.11	.09	.07
Corn	.40	.32	.25	.20	.16	.13	.10	.08
Corn Silage	.51	.45	.39	.33	.29			
Drilled Beans								
Grain Sorghum	.38	.30	.24	.20	.16	.13	.10	.08
Oats	.44	.35	.27	.21	.17	.13	.10	.08
Sorghum/Sudan	.51	.43	.37	.31	.26			
Soybeans	.48	.38	.30	.24	.19			
Sunflowers	.40	.32	.26	.21	.17			
Wheat	.39	.30	.23	.18	.14	.11	.08	.06

* First primary tillage operation performed in the fall.

Spring Mulch**

	Percent Ground Cover After Planting							
Soybeans, After	**0**	**10**	**20**	**30**	**40**	**50**	**60**	**70**
Alfalfa	.29	.24	.20	.17	.14	.12	.10	.08
Corn	.32	.27	.22	.18	.15	.13	.11	.09
Corn Silage	.51	.46	.41	.37	.33			
Drilled Beans								
Grain Sorghum	.33	.27	.22	.18	.15	.12	.10	.08
Oats	.40	.32	.26	.21	.17	.13	.11	.09
Sorghum/Sudan	.50	.44	.40	.35	.31			
Soybeans	.46	.38	.32	.26	.22			
Sunflowers	.37	.31	.26	.21	.18			
Wheat	.34	.27	.22	.17	.14	.11	.09	.07

**First primary tillage operation performed in the spring.

Other Tillage Types

Soybeans, After	**FP**	**SP**	**NT**
Alfalfa	.49	.46	.17
Corn, dryland	.43	.39	.09
Corn, Silage	.52	.51	.31
Grain Sorghum	.41	.36	.09
Oats	.50	.44	.14
Sorghum/Sudan	.51	.49	.24
Soybeans	.50	.47	.19
Sunflowers	.43	.40	.14
Wheat	.43	.37	.08

FP = Fall Plow
SP = Spring Plow
NT = No-till

Table provides cover factor ("C") for crop to be planted into selected residue levels of the prior crop, i.e. corn silage after oats.

"C" Factor Values for Kansas Crops

Crop: Sunflowers
Zone: 88D

Fall Mulch*

Sunflowers, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.43	.33	.25	.20	.15	.12	.09	.07
Corn Silage	.56	.50	.44	.39	.35			
Drilled Beans	.51	.38	.28	.21	.15			
Grain Sorghum	.41	.32	.25	.19	.15	.12	.09	.07
Oats								
Sorghum/Sudan	.55	.45	.37	.30	.25			
Soybeans	.52	.40	.30	.23	.18			
Sunflowers	.44	.33	.25	.18	.14			
Wheat								

First primary tillage operation performed in the fall

Spring Mulch**

Sunflowers, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.38	.30	.25	.20	.16	.13	.10	.08
Corn Silage	.56	.48	.42	.36	.31			
Drilled Beans								
Grain Sorghum	.35	.28	.22	.18	.15	.12	.09	.08
Oats	.41	.33	.26	.21	.17	.13	.11	.09
Sorghum/Sudan	.55	.44	.36	.29	.23			
Soybeans	.49	.39	.30	.23	.18			
Sunflowers	.41	.32	.26	.21	.16			
Wheat								

**First primary tillage operation performed in the spring.

Other Tillage Types

Sunflowers, After	FP	SP	NT
Alfalfa			
Corn, dryland	.47	.44	.14
Corn, Silage	.57	.57	.37
Drilled Beans	.54	.50	.24
Grain Sorghum	.45	.40	.13
Oats	.54	.47	.18
Sorghum/Sudan	.56	.55	.32
Soybeans	.56	.52	.27
Sunflowers	.48	.45	.21
Wheat	.48	.40	.12

FP = Fall Plow
SP = Spring Plow
NT = No-till

Table provides cover factor ("C") for crop to be planted into selected residue levels of the prior crop, i.e. corn silage after oats.

"C" Factor Values for Kansas Crops

Crop: Winter Wheat

Zone: 88D

Fall Mulch*

Winter Wheat, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa	.05	.04	.04	.03	.03	.03	.02	.02
Corn	.06	.05	.04	.04	.03	.03	.02	.02
Corn Silage	.09	.07	.06	.04	.04			
Drilled Beans	.08	.07	.06	.05	.04			
Grain Sorghum	.06	.05	.04	.03	.03	.02	.02	.02
Oats	.09	.08	.06	.05	.04	.04	.03	.02
Sorghum/Sudan	.09	.08	.06	.05	.04			
Soybeans	.08	.07	.06	.05	.04			
Sunflowers	.07	.06	.05	.04	.03			
Wheat	.08	.06	.05	.04	.03	.03	.02	.02

* First primary tillage operation performed in the fall.

Spring Mulch**

Winter Wheat, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.07	.05	.04	.04	.03	.02	.02	.02
Corn Silage	.09	.07	.06	.05	.04			
Drilled Beans	.08	.06	.05	.05	.04			
Grain Sorghum	.06	.05	.04	.03	.03	.02	.02	.01
Oats	.09	.07	.06	.05	.04	.03	.03	.02
Sorghum/Sudan	.08	.07	.05	.04	.04			
Soybeans	.08	.07	.06	.05	.04			
Sunflowers	.07	.06	.05	.04	.03			
Wheat								

**First primary tillage operation performed in the spring.

Other Tillage Types

Winter Wheat, After	FP	SP	NT
Alfalfa	.06		.02
Corn, dryland	.07	.07	.01
Corn, Silage	.09	.09	.04
Drilled beans	.08	.08	.01
Grain Sorghum	.07	.06	.01
Oats	.10	.10	.03
Sorghum/Sudan	.10	.10	.04
Soybeans	.08	.08	.02
Sunflowers	.08	.08	.02
Wheat	.09		.02

FP = Fall Plow
SP = Spring Plow
NT = No-till

Table provides cover factor ("C") for crop to be planted into selected residue levels of the prior crop, i.e. corn silage after oats.