"C" Factor Values for Kansas Crops

Crop: Corn Grain

Zone: 88A

Fall Mulch*

Percent Ground Cover After Planting

Corn Grain, After	0	10	20	30	40	50	60	70
Alfalfa	.26	.22	.19	.16	.14	.12	.10	.09
Corn	.35	.29	.24	.20	.16	.13	.11	.09
Corn Silage	.44	.35	.28	.23	.18			
Drilled Beans	.41	.34	.28	.23	.19			
Grain Sorghum	.31	.26	.22	.18	.15	.12	.10	.08
Oats	.37	.29	.23	.19	.15	.12	.09	.07
Sorghum/Sudan	.42	.35	.28	.23	.19			
Soybeans	.42	.35	.28	.23	.19			
Sunflowers	.34	.28	.23	.19	.15			
Wheat	.31	.24	.19	.15	.12	.09	.07	.06

* First primary tillage operation performed in the fall.

Spring Mulch**

Percent Ground Cover After Planting

Corn Grain, After	0	10	20	30	40	50	60	70
Alfalfa	.20	.17	.14	.12	.10	.09	.07	.06
Corn	.35	.29	.24	.20	.16	.14	.11	.09
Corn Silage	.46	.36	.27	.21	.16			
Drilled Beans	.41	.35	.29	.24	.20			
Grain Sorghum	.30	.25	.21	.17	.14	.12	.10	.08
Oats	.36	.29	.23	.18	.15	.12	.09	.07
Sorghum/Sudan	.41	.34	.28	.23	.19			
Soybeans	.43	.36	.31	.26	.22			
Sunflowers	.34	.28	.24	.21	.17			
Wheat	.29	.23	.18	.14	.11	.09	.07	.06

**First primary tillage operation performed in the spring.

Other Tillage Types

Corn Grain, After	FP	SP	NT
Alfalfa	.28	.21	.03
Corn, dryland	.38	.39	.10
Corn, Silage	.45	.48	.48
Drilled Beans	.43	.44	.18
Grain Sorghum	.34	.34	.09
Oats	.41	.40	.11
Sorghum/Sudan	.44	.43	.21
Soybeans	.44	.45	.19
Sunflowers	.37	.39	.15
Wheat	.34	.34	.06

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: Corn Silage

Zone: 88A

Fall Mulch*

Percent Ground Cover After Planting

Corn Silage, After	0	10	20	30	40	50	60	70
Alfalfa	.26	.22	.19	.16	.14	.12	.10	.09
Corn	.35	.29	.24	.20	.16	.13	.11	.09
Corn Silage	.45	.37	.31	.26	.21			
Drilled Beans								
Grain Sorghum	.31	.26	.22	.18	.15	.12	.10	.09
Oats	.37	.29	.23	.19	.15	.12	.09	.07
Sorghum/Sudan	.42	.36	.30	.25	.21			
Soybeans	.42	.35	.29	.24	.20			
Sunflowers	.34	.28	.23	.19	.15			
Wheat	.30	.24	.19	.15	.12	.09	.07	.06

*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	.17	.14	.12	.10	.09	.07	.06	.05
Corn	.34	.28	.24	.20	.16	.13	.11	.09
Corn Silage	.45	.40	.36	.32	.29			
Drilled Beans	.40	.34	.29	.25	.21			
Grain Sorghum	.29	.24	.20	.17	.14	.12	.10	.08
Oats	.36	.29	.23	.18	.15	.12	.09	.07
Sorghum/Sudan	.41	.34	.28	.24	.20			
Soybeans	.42	.36	.31	.26	.22			
Sunflowers	.33	.28	.24	.20	.17			
Wheat	.28	.23	.18	.14	.11	.09	.07	.06

**First primary tillage operation performed in the spring.

Other Tillage Types

Corn Silage, After	FP	SP	NT
Alfalfa	.27	.19	.03
Corn	.45	.48	.10
Corn, Silage	.45	.47	.29
Drilled Beans	.42	.43	.18
Grain Sorghum	.35	.34	.10
Oats	.41	.39	.11
Sorghum/Sudan	.37	.38	.15
Soybeans	.44	.44	.21
Sunflowers	.37	.38	.16
Wheat	.34	.33	.06

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: 88A

Fall Mulch*

Drilled Beans, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa	.15	.12	.10	.08	.06	.05	.04	.03
Corn	.23	.18	.15	.12	.09	.07	.06	.05
Corn Silage	.34	.27	.22	.18	.14	.20		
Drilled Beans	.28	.22	.17	.13	.10			
Grain Sorghum	.20	.16	.13	.10	.08	.07	.05	.04
Oats	.26	.20	.16	.13	.10	.08	.06	.05
Sorghum/Sudan	.30	.24	.20	.16	.13			
Soybeans								
Sunflowers	.23	.18	.14	.11	.09			
Wheat								

* 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	.14	.11	.09	.07	.06	.05	.04	.03
Corn	.21	.17	.14	.11	.09	.07	.06	.05
Corn Silage	.31	.26	.21	.18	.15			
Drilled Beans	.26	.21	.17	.14	.11			
Grain Sorghum	.18	.14	.12	.10	.08	.06	.05	.04
Oats	.23	.19	.15	.12	.10	.08	.06	.05
Sorghum/Sudan	.27	.22	.18	.15	.12			
Soybeans								
Sunflowers	.21	.17	.14	.11	.09			
Wheat	.06	.05	.04	.03	.03	.02	.02	.02

**First primary tillage operation performed in the spring.

Other Tillage Types

Drilled Beans, After	FP	SP	NT
Alfalfa	.16	.16	.03
Corn	.26	.24	.18
Corn Silage	.33	.32	.18
Drilled Soybeans	.30	.28	.07
Grain Sorghum	.22	.21	.04
Oats	.30	.27	.07
Sorghum/Sudan	.31	.28	.11
Sunflowers	.25	.24	.07
Wheat	.24	.21	.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.

"C" Factor Values for Kansas Crops

Crop: Sorghum Silage

Zone: 88A

Fall Mulch*

Sorghum Silage, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa	.26	.22	.19	.16	.14	.12	.10	.09
Corn	.35	.29	.24	.20	.16	.13	.11	.09
Corn Silage	.45	.37	.31	.26	.21			
Drilled Beans	.40	.33	.27	.22	.18			
Grain Sorghum	.31	.26	.22	.18	.15	.12	.10	.09
Oats	.37	.29	.23	.19	.15	.12	.09	.07
Sorghum/Sudan	.42	.36	.30	.25	.21			
Soybeans	.42	.35	.29	.24	.20			
Sunflowers	.34	.28	.23	.19	.15			
Wheat	.30	.24	.19	.15	.12	.09	.07	.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	.17	.14	.12	.10	.09	.07	.06	.05
Corn	.34	.28	.24	.20	.16	.13	.11	.09
Corn Silage	.29	.24	.20	.17	.14	.12	.10	.08
Drilled Beans	.42	.36	.31	.26	.22			
Grain Sorghum	.33	.28	.24	.20	.17			
Oats	.45	.40	.36	.32	.29			
Sorghum/Sudan	.41	.34	.28	.24	.20			
Soybeans	.36	.29	.23	.18	.15	.12	.09	.07
Sunflowers	.28	.23	.18	.14	.11	.09	.07	.06
Wheat	.40	.34	.29	.25	.21			

**First primary tillage operation performed in the spring.

Other Tillage Types

Sorghum Silage, After	FP	SP	NT
Corn	.30	.35	.11
Corn Silage	.38	.44	.33
Drilled Beans	.35	.41	.12
Grain Sorghum	.27	.30	.10
Oats	.34	.32	.12
Sorghum/Sudan	.36	.34	.28
Soybeans	.36	.42	.15
Sunflowers	.30	.35	.15
Wheat	.32	.30	.07

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: 88A

Fall Mulch*

Percent Ground Cover After Planting

Grain Sorghum, After	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.28	.22	.18	.14	.11	.09	.07	.06
Corn Silage	.37	.30	.23	.19	.15			
Drilled Beans	.33	.26	.20	.16	.12			
Grain Sorghum	.25	.20	.16	.13	.10	.08	.06	.05
Oats	.30	.23	.18	.14	.11	.09	.07	.05
Sorghum/Sudan	.35	.28	.23	.19	.15			
Soybeans	.35	.26	.19	.14	.10			
Sunflowers	.32	.25	.19	.14	.11			
Wheat	.24	.19	.15	.11	.09	.07	.05	.04

* First primary tillage operation performed in the fall.

Spring Mulch**

Percent Ground Cover After Planting

Grain Sorghum, After	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.31	.25	.20	.16	.13	.11	.09	.07
Corn Silage	.42	.33	.27	.21	.17			
Drilled Beans	.37	.29	.23	.19	.15			
Grain Sorghum	.26	.21	.17	.13	.11	.09	.07	.06
Oats	.31	.25	.19	.15	.12	.10	.07	.06
Sorghum/Sudan	.37	.29	.22	.17	.13			
Soybeans	.39	.30	.24	.19	.15			
Sunflowers	.30	.24	.19	.16	.13			
Wheat	.24	.19	.15	.12	.09	.07	.06	.05

**First primary tillage operation performed in the spring

Other Tillage Types

Grain Sorghum, After	FP	SP	NT
Corn	.31	.36	.10
Corn Silage	.36	.44	.29
Drilled Beans	.36	.41	.19
Grain Sorghum	.27	.31	.09
Oats	.35	.37	.11
Sorghum/Sudan	.37	.34	.25
Soybeans	.37	.42	.21
Sunflowers	.30	.35	.16
Wheat	.28	.30	.06

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: 88A

Fall Mulch*

Percent Ground Cover After Planting

Oats, After	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.09	.07	.06	.05	.04	.03	.02	.02
Corn Silage	.13	.10	.08	.06	.04			
Drilled Beans	.26	.20	.16	.13	.10			
Grain Sorghum	.07	.06	.05	.04	.03	.03	.02	.02
Oats	.12	.10	.07	.06	.05	.04	.03	.02
Sorghum/Sudan	.13	.10	.07	.06	.04			
Soybeans	.11	.08	.07	.05	.04			
Sunflowers	.08	.07	.05	.04	.04			
Wheat	.09	.07	.06	.05	.04	.03	.02	.02

* First primary tillage operation performed in the fall.

Spring Mulch**

Percent Ground Cover After Planting

Oats, After	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.08	.06	.05	.04	.04	.03	.02	.02
Corn Silage	.12	.09	.07	.06	.04			
Drilled Beans	.23	.19	.15	.12	.10			
Grain Sorghum	.06	.05	.04	.04	.03	.02	.02	.02
Oats	.09	.08	.06	.05	.04	.04	.03	.03
Sorghum/Sudan	.11	.08	.07	.05	.04			
Soybeans	.10	.08	.07	.06	.05			
Sunflowers	.08	.06	.05	.04	.04			
Wheat	.07	.06	.05	.04	.03	.03	.02	.02

**First primary tillage operation performed in the spring.

Other Tillage Types

Oats, After	FP	SP	NT
Corn	.09	.09	.02
Corn Silage	.13	.13	.07
Drilled Beans	.30	.27	.07
Grain Sorghum	.08	.07	.01
Oats	.17	.11	.03
Sorghum/Sudan	.13	.11	.06
Soybeans	.11	.10	.05
Sunflowers	.09	.09	.03
Wheat	.14	.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.

"C" Factor Values for Kansas Crops

Crop: Sunflowers

Zone: 88A

Fall Mulch*

Sunflowers, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.39	.30	.23	.18	.14	.10	.08	.06
Corn Silage	.53	.36	.24	.17	.11			
Drilled Beans	.47	.32	.22	.15	.11			
Grain Sorghum	.35	.27	.21	.16	.13	.10	.08	.06
Oats	.39	.30	.23	.18	.14	.11	.08	.06
Sorghum/Sudan	.49	.35	.24	.17	.12			
Soybeans	.48	.36	.26	.19	.14			
Sunflowers	.39	.29	.21	.15	.11			
Wheat	.33	.25	.19	.15	.11	.09	.07	.05

* 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	.35	.28	.22	.17	.14	.11	.09	.07
Corn Silage	.50	.41	.33	.27	.22			
Drilled Beans	.42	.33	.26	.20	.16			
Grain Sorghum	.31	.24	.19	.15	.12	.09	.07	.06
Oats	.35	.28	.43	.17	.13	.11	.08	.07
Sorghum/Sudan	.45	.35	.27	.21	.17			
Soybeans	.45	.35	.28	.22	.18			
Sunflowers	.36	.28	.22	.17	.14			
Wheat	.27	.22	.17	.13	.11	.09	.07	.05

**First primary tillage operation performed in the spring.

Other Tillage Types

Sunflowers, After	FP	SP	NT
Corn	.44	.41	.10
Corn Silage	.52	.52	.31
Drilled Beans	.50	.47	.19
Grain Sorghum	.39	.36	.10
Oats	.45	.41	.12
Sorghum/Sudan	.50	.47	.26
Soybeans	.52	.48	.21
Sunflowers	.43	.41	.17
Wheat	.41	.33	.07

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: 88A

Fall Mulch*

Soybeans, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa	.23	.18	.15	.12	.10	.08	.06	.05
Corn	.33	.26	.21	.17	.14	.11	.09	.07
Corn Silage	.43	.36	.31	.26	.22			
Drilled Beans								
Grain Sorghum	.29	.24	.19	.15	.12	.10	.08	.06
Oats	.36	.28	.22	.17	.13	.10	.08	.06
Sorghum/Sudan	.28	.23	.20	.17	.14			
Soybeans	.41	.32	.25	.19	.15			
Sunflowers	.32	.26	.20	.16	.13			
Wheat	.29	.22	.17	.13	.11	.08	.06	.05

* First primary tillage operation performed in the fall.

Spring Mulch**

Soybeans, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa	.21	.17	.14	.11	.09	.08	.06	.05
Corn	.30	.25	.20	.16	.13	.11	.09	.07
Corn Silage	.42	.35	.30	.25	.21			
Drilled Beans								
Grain Sorghum	.26	.21	.17	.14	.12	.09	.08	.06
Oats	.32	.26	.21	.16	.13	.11	.08	.07
Sorghum/Sudan	.38	.30	.23	.18	.14			
Soybeans	.39	.32	.26	.21	.18			
Sunflowers	.30	.25	.21	.17	.14			
Wheat	.25	.20	.16	.13	.10	.08	.06	.05

**First primary tillage operation performed in the spring.

Other Tillage Types

Soybeans, After	FP	SP	NT
Alfalfa	.24	.23	.05
Corn	.38	.35	.06
Grain Sorghum	.32	.30	.06
Oats	.40	.36	.08
Sorghum/Sudan	.42	.39	.18
Soybeans	.42	.41	.13
Sunflowers	.35	.34	.10
Wheat	.32	.30	.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: Winter Wheat

Zone: 88A

Fall Mulch*

Winter Wheat, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa	.04	.03	.03	.02	.02	.02	.01	.01
Corn	.05	.04	.04	.03	.02	.02	.01	.01
Corn Silage	.08	.06	.04	.03	.03			
Drilled Beans	.06	.05	.04	.04	.03			
Grain Sorghum	.05	.04	.03	.02	.02	.01	.01	.01
Oats	.08	.07	.05	.04	.03	.03	.02	.02
Sorghum/Sudan	.08	.06	.05	.04	.03			
Soybeans	.07	.06	.05	.04	.03			
Sunflowers	.06	.05	.04	.03	.03			
Wheat	.13	.11	.09	.07	.06	.05	.04	.03

* 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	.05	.04	.03	.03	.02	.02	.01	.01
Corn Silage	.07	.06	.04	.03	.03			
Drilled Beans	.06	.05	.04	.03	.03			
Grain Sorghum	.05	.04	.03	.02	.02	.01	.01	.01
Oats	.07	.06	.05	.04	.03	.03	.02	.02
Sorghum/Sudan	.07	.05	.04	.03	.03			
Soybeans	.06	.05	.04	.03	.03			
Sunflowers	.27	.22	.17	.13	.11			
Wheat	.07	.06	.04	.03	.03	.02	.02	.01

**First primary tillage operation performed in the spring.

Other Tillage Types

Winter Wheat, After	FP	SP	NT
Alfalfa	.05		.01
Corn Silage	.08	.08	.03
Corn, dryland	.06	.06	.01
Drilled Beans	.07	.07	.01
Grain Sorghum	.05	.05	.01
Oats	.10	.10	.02
Sorghum/Sudan	.09	.07	.02
Soybeans	.07	.07	.01
Sunflowers	.07	.07	.01
Wheat	.26		.01

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.