

"C" Factor Values for Kansas Crops

Crop: **Corn Grain**

Zone: **88C**

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

* First primary tillage operation performed in the fall.

Spring Mulch**	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Corn Grain, After								
Alfalfa	.17	.15	.13	.12	.10	.09	.08	.07
Corn	.36	.30	.25	.21	.18	.15	.13	.11
Corn Silage	.42	.35	.30	.25	.21			
Drilled Beans	.41	.35	.30	.26	.22			
Grain Sorghum	.29	.24	.19	.16	.13	.11	.09	.07
Oats	.42	.35	.30	.25	.21			
Sorghum/Sudan								
Soybeans	.39	.34	.29	.25	.22			
Sunflowers	.35	.30	.26	.22	.19			
Wheat	.29	.23	.18	.15	.12	.09	.08	.06

**First primary tillage operation performed in the spring.

Other Tillage Types

Corn Grain, After	FP	SP	NT
Alfalfa	.25	.19	.04
Corn, Silage	.43	.44	.24
Corn, dryland	.35	.34	.09
Drilled Beans	.44	.43	.19
Grain Sorghum	.33	.32	.09
Oats	.46	.38	.13
Sorghum/Sudan	.43	.43	.23
Soybeans	.42	.32	.09
Sunflowers	.38	.38	.18
Wheat	.38	.32	.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: **Corn Silage**
Zone: **88C**

Fall Mulch*

Corn Silage, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa	.23	.20	.17	.15	.13	.12	.10	.09
Corn	.27	.22	.18	.15	.12	.10	.08	.07
Corn Silage	.46	.39	.33	.28	.24			
Drilled Beans	.42	.36	.30	.26	.22			
Grain Sorghum	.21	.17	.14	.12	.10	.08	.07	.05
Oats	.28	.21	.17	.13	.10	.08	.06	.05
Sorghum/Sudan	.41	.35	.30	.26	.22			
Soybeans	.44	.37	.31	.26	.22			
Sunflowers	.40	.33	.27	.23	.19			
Wheat	.33	.26	.21	.16	.13	.10	.08	.06

* First primary tillage operation performed in the fall.

Spring Mulch**

Corn Silage, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa	.11	.09	.08	.07	.06	.05	.04	.04
Corn	.26	.21	.18	.15	.12	.10	.08	.07
Corn Silage	.46	.40	.35	.30	.27			
Drilled Beans	.41	.36	.31	.27	.24			
Grain Sorghum	.31	.27	.23	.19	.17	.14	.12	.10
Oats	.30	.24	.19	.15	.13	.10	.08	.07
Sorghum/Sudan	.32	.28	.23	.20	.17			
Soybeans	.42	.37	.33	.29	.25			
Sunflowers	.38	.33	.29	.25	.22			
Wheat	.31	.25	.20	.16	.13	.11	.09	.07

**First primary tillage operation performed in the spring.

Other Tillage Types

Corn Silage, After	FP	SP	NT
Alfalfa	.26	.17	.02
Corn, dryland	.37	.37	.10
Corn, Silage	.46	.48	.29
Drilled Beans	.43	.43	.20
Grain Sorghum	.37	.35	.11
Oats	.49	.41	.11
Sorghum Silage	.48	.46	.28
Soybeans	.45	.44	.22
Sunflowers	.42	.41	.19
Wheat	.41	.35	.08

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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: 88C

Fall Mulch*

Percent Ground Cover After Planting

Drilled Beans, After	0	10	20	30	40	50	60	70
Alfalfa	.16	.13	.11	.09	.07	.06	.05	.04
Corn	.25	.20	.16	.13	.10	.08	.06	.05
Corn Silage	.33	.27	.23	.19	.16			
Drilled Beans	.28	.22	.18	.14	.11			
Grain Sorghum	.21	.17	.14	.11	.09	.07	.06	.05
Oats	.28	.22	.17	.13	.11	.08	.07	.05
Sorghum/Sudan	.32	.27	.22	.19	.16			
Soybeans								
Sunflowers	.25	.20	.16	.12	.10			
Wheat	.22	.17	.14	.11	.08	.07	.05	.04

* First primary tillage operation performed in the fall.

Spring Mulch**

Percent Ground Cover After Planting

Drilled Beans, After	0	10	20	30	40	50	60	70
Alfalfa	.15	.12	.10	.08	.07	.06	.05	.04
Corn	.22	.18	.15	.12	.10	.08	.07	.06
Corn Silage	.33	.28	.24	.21	.18			
Drilled Beans	.28	.22	.18	.14	.11			
Grain Sorghum	.19	.16	.13	.11	.09	.07	.06	.05
Oats	.25	.20	.17	.14	.11	.09	.07	.06
Sorghum/Sudan	.32	.27	.23	.20	.17			
Soybeans								
Sunflowers	.24	.20	.16	.14	.11			
Wheat	.19	.16	.13	.10	.08	.07	.05	.04

**First primary tillage operation performed in the spring.

Other Tillage Types

Drilled Beans, After	FP	SP	NT
Alfalfa	.17	.16	.04
Corn	.26	.25	.05
Corn Silage	.23	.33	.19
Drilled Beans	.30	.29	.08
Grain Sorghum	.23	.22	.05
Oats	.31	.28	.08
Sorghum/Sudan	.39	.33	.16
Sunflowers	.27	.26	.09
Wheat	.28	.23	.03

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: **88C**

Fall Mulch*

Percent Ground Cover After Planting

Sorghum Silage, After	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.32	.25	.20	.15	.12	.09	.07	.06
Corn Silage	.48	.40	.33	.28	.23			
Drilled Beans	.40	.31	.23	.18	.13			
Grain Sorghum	.28	.22	.18	.15	.12	.09	.08	.06
Oats	.39	.30	.23	.18	.14	.11	.08	.06
Sorghum/Sudan	.43	.35	.29	.24	.19			
Soybeans	.42	.32	.24	.18	.14			
Sunflowers	.37	.30	.24	.19	.16			
Wheat	.32	.24	.19	.14	.11	.08	.06	.05

* First primary tillage operation performed in the fall.

Spring Mulch**

Percent Ground Cover After Planting

Sorghum Silage, After	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.29	.24	.19	.15	.12	.10	.08	.06
Corn Silage	.38	.31	.26	.22	.19			
Drilled Beans	.38	.30	.24	.19	.15			
Grain Sorghum	.26	.21	.17	.14	.11	.09	.07	.06
Oats	.34	.27	.21	.17	.13	.11	.08	.07
Sorghum/Sudan	.43	.35	.29	.24	.20			
Soybeans	.40	.32	.26	.21	.17			
Sunflowers	.35	.29	.24	.20	.17			
Wheat	.31	.25	.20	.16	.13	.11	.09	.07

**First primary tillage operation performed in the spring.

Other Tillage Types

Sorghum Silage, After	FP	SP	NT
Corn	.35	.34	.08
Corn Silage	.43	.45	.29
Drilled Beans	.42	.41	.11
Grain Sorghum	.33	.32	.09
Oats	.47	.39	.13
Sorghum/Sudan	.44	.44	.26
Soybeans	.44	.42	.14
Sunflowers	.39	.42	.17
Wheat	.39	.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: Grain Sorghum
Zone: 88C

Fall Mulch*

Percent Ground Cover After Planting

Grain Sorghum, After	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.33	.25	.19	.14	.11	.09	.07	.05
Corn Silage	.44	.35	.27	.21	.17			
Drilled Beans	.41	.32	.24	.19	.14			
Grain Sorghum	.29	.22	.17	.13	.10	.08	.06	.05
Oats	.39	.29	.23	.17	.13	.10	.07	.05
Sorghum/Sudan	.44	.34	.27	.21	.16			
Soybeans	.43	.32	.24	.17	.13			
Sunflowers	.39	.29	.22	.16	.12			
Wheat	.33	.24	.17	.13	.10	.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	.29	.23	.19	.15	.12	.10	.08	.06
Corn	.25	.21	.17	.14	.11	.09	.07	.06
Corn Silage	.44	.37	.30	.25	.21			
Drilled Beans	.39	.31	.25	.21	.17			
Grain Sorghum	.41	.32	.26	.20	.16			
Oats	.33	.26	.21	.17	.13	.10	.08	.07
Sorghum/Sudan	.43	.35	.28	.22	.18			
Soybeans	.35	.29	.24	.19	.16			
Sunflowers	.35	.29	.24	.19	.16			
Wheat	.28	.22	.17	.14	.11	.09	.07	.05

**First primary tillage operation performed in the spring.

Other Tillage Types

Grain Sorghum, After	FP	SP	NT
Corn, dryland	.36	.35	.08
Corn, Silage	.44	.46	.27
Drilled Beans	.43	.42	.17
Grain Sorghum	.34	.33	.09
Oats	.48	.40	.12
Sorghum/Sudan	.45	.45	.25
Soybeans	.45	.44	.20
Sunflowers	.41	.37	.19
Wheat	.40	.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: **Oats**

Zone: **88C**

Fall Mulch*

Percent Ground Cover After Planting

Oats, After	0	10	20	30	40	50	60	70
Alfalfa								
Corn	.09	.08	.06	.05	.04	.03	.03	.02
Corn Silage	.13	.10	.08	.06	.05			
Drilled Beans	.12	.10	.08	.07	.06			
Grain Sorghum	.08	.07	.06	.05	.04	.03	.02	.02
Oats	.14	.11	.09	.07	.05	.04	.04	.03
Sorghum/Sudan	.15	.11	.09	.06	.05			
Soybeans	.12	.10	.08	.07	.05			
Sunflowers	.11	.09	.08	.06	.05			
Wheat	.11	.09	.07	.05	.04	.03	.03	.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	.09	.07	.06	.05	.04	.03	.03	.02
Corn Silage	.15	.11	.09	.07	.05			
Drilled Beans	.11	.10	.08	.07	.06			
Grain Sorghum	.07	.06	.05	.04	.03	.03	.02	.02
Oats	.12	.10	.08	.07	.05	.04	.04	.03
Sorghum/Sudan	.15	.11	.09	.07	.06			
Soybeans	.12	.10	.08	.07	.06			
Sunflowers	.11	.09	.08	.06	.05			
Wheat	.09	.07	.06	.05	.04	.03	.03	.02

**First primary tillage operation performed in the spring.

Other Tillage Types

Oats, After	FP	SP	NT
Corn, dryland	.10	.10	.02
Corn, Silage	.15	.15	.07
Drilled Beans	.13	.12	.06
Grain Sorghum	.10	.09	.02
Oats	.20	.13	.04
Sorghum/Sudan	.16	.16	.09
Soybeans	.13	.12	.07
Sunflowers	.12	.12	.05
Wheat	.17	.10	.03

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: 88C

Fall Mulch*

Percent Ground Cover After Planting

Soybeans, After	0	10	20	30	40	50	60	70
Alfalfa	.24	.20	.16	.14	.11	.09	.08	.07
Corn	.32	.26	.21	.17	.14	.12	.09	.08
Corn Silage	.44	.37	.31	.26	.22			
Drilled Beans								
Grain Sorghum	.29	.24	.19	.15	.12	.10	.08	.07
Oats	.31	.24	.19	.15	.12	.09	.07	.06
Sorghum/Sudan	.43	.37	.31	.26	.23			
Soybeans	.41	.34	.28	.23	.19			
Sunflowers	.37	.30	.24	.20	.16			
Wheat	.38	.30	.23	.18	.14	.11	.09	.07

* 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	.23	.19	.15	.13	.11	.09	.07	.06
Corn	.30	.25	.21	.17	.14	.12	.10	.08
Corn Silage	.44	.38	.33	.28	.24			
Drilled Beans								
Grain Sorghum	.27	.22	.18	.15	.12	.10	.08	.07
Oats	.35	.28	.23	.18	.15	.12	.10	.08
Sorghum/Sudan	.42	.37	.32	.28	.24			
Soybeans	.41	.34	.28	.23	.19			
Sunflowers	.36	.30	.25	.21	.18			
Wheat	.28	.22	.18	.14	.11	.09	.07	.06

**First primary tillage operation performed in the spring.

Other Tillage Types

Soybeans, After	FP	SP	NT
Alfalfa	.20	.24	.06
Corn, dryland	.35	.34	.06
Corn, Silage	.45	.45	.26
Grain Sorghum	.33	.32	.07
Oats	.42	.38	.11
Sorghum/Sudan	.49	.44	.22
Soybeans	.43	.43	.13
Sunflowers	.40	.44	.15
Wheat	.36	.32	.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: **Sunflowers**

Zone: **88C**

Fall Mulch*

Sunflowers, After	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Alfalfa	.28	.22	.18	.15	.12	.10	.08	.06
Com	.36	.28	.22	.18	.14	.11	.09	.07
Com Silage	.46	.37	.31	.25	.21			
Drilled Beans	.38	.30	.23	.18	.14			
Grain Sorghum	.32	.26	.21	.16	.13	.10	.08	.07
Oats	.33	.26	.20	.16	.13	.10	.08	.06
Sorghum/Sudan	.44	.37	.30	.25	.21			
Soybeans	.40	.31	.24	.18	.14			
Sunflowers	.39	.30	.23	.18	.13			
Wheat	.40	.31	.24	.19	.15	.11	.09	.07

* 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								
Com	.32	.27	.22	.18	.15	.13	.11	.09
Com Silage	.45	.39	.35	.30	.27			
Drilled Beans	.35	.29	.24	.20	.17			
Grain Sorghum	.30	.24	.20	.17	.14	.12	.10	.08
Oats	.37	.29	.23	.18	.14	.11	.09	.07
Sorghum/Sudan	.44	.36	.30	.24	.20			
Soybeans	.41	.34	.28	.23	.19			
Sunflowers	.37	.31	.26	.22	.18			
Wheat	.28	.23	.18	.14	.12	.09	.08	.06

**First primary tillage operation performed in the spring.

Other Tillage Types

Sunflowers, After	FP	SP	NT
Com, dryland	.37	.36	.09
Com, Silage	.47	.47	.35
Drilled Beans	.40	.40	.15
Grain Sorghum	.35	.39	.10
Oats	.44	.41	.13
Sorghum/Sudan	.45	.46	.24
Soybeans	.45	.44	.19
Sunflower	.41	.41	.19
Wheat	.44	.42	.07

FP : Fall Plow

SP : Spring

NT : No-till

provides cover factor ('C') for be planted into selected residue levels of the prior i.e. silage after oats.

"C" Factor Values for Kansas Crops

Crop: **Winter Wheat**

Zone: **88C**

Fall Mulch*	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Winter Wheat, After								
Alfalfa	.05	.04	.04	.03	.03	.02	.02	.02
Corn	.04	.04	.04	.03	.03	.02	.02	.01
Corn Silage	.08	.07	.05	.04	.03			
Drilled Beans	.07	.06	.05	.04	.04	.03	.03	.02
Grain Sorghum	.05	.04	.03	.03	.02	.02	.01	.01
Oats	.12	.09	.07	.06	.05	.04	.03	.02
Sorghum/Sudan	.09	.07	.06	.05	.04			
Soybeans	.08	.07	.05	.04	.04	.03	.03	.02
Summer Fallow	.52	.22	.10	.04	.02			
Sunflowers	.07	.06	.05	.04	.03			
Wheat	.10	.08	.06	.04	.03	.02	.02	.01

Spring Mulch**	Percent Ground Cover After Planting							
	0	10	20	30	40	50	60	70
Winter Wheat, After								
Alfalfa								
Corn								
Corn Silage								
Drilled Beans								
Grain Sorghum								
Oats								
Sorghum/Sudan								
Soybeans								
Sunflowers								
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	.41	.35	.08
Grain Sorghum	.06	.06	.01
Sorghum Silage	.10	.08	.04
Soybeans	.09	.08	.02
Sunflowers	.05	.08	.02
Wheat	.16		.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.