

## The FREQ Procedure

## File identifier

fileid	Frequency	Percent	Cumulative Frequency	Cumulative Percent
chap08	134637	100.00	134637	100.00

## Table of scenario by year

scenario(Scenario)	year(Year)		
Frequency Percent	2017	2040	Total
BC1	31090 23.09	52604 39.07	83694 62.16
HH3	0 0.00	50943 37.84	50943 37.84
Total	31090 23.09	103547 76.91	134637 100.00

## The FREQ Procedure

Table of feedstock by srce

feedstock(Feedstock)      srce(Source)

Frequency Percent	Harv	Prod	Total
Annuals	9327 6.93	9327 6.93	18654 13.86
Coppice wood, wi llow	0 0.00	5798 4.31	5798 4.31
Corn	0 0.00	18654 13.86	18654 13.86
Corn stover	0 0.00	18654 13.86	18654 13.86
Miscanthus	0 0.00	6218 4.62	6218 4.62
Noncoppice wood, pine	0 0.00	4557 3.38	4557 3.38
Noncoppice wood, poplar	0 0.00	6140 4.56	6140 4.56
Perennials	6218 4.62	6218 4.62	12436 9.24
Soybean	0 0.00	18654 13.86	18654 13.86
Switchgrass	0 0.00	6218 4.62	6218 4.62
Wheat straw	0 0.00	18654 13.86	18654 13.86
Total	15545 11.55	119092 88.45	134637 100.00

## The FREQ Procedure

Table of feedstock by indicator

feedstock(Feedstock)

indicator(Indicator)

Frequency Percent	area	irrgwatr _use	qnty	rainwatr _use	Total
Annuals	9327 6.93	0 0.00	9327 6.93	0 0.00	18654 13.86
Coppice wood, wi llow	0 0.00	0 0.00	0 0.00	5798 4.31	5798 4.31
Corn	0 0.00	9327 6.93	0 0.00	9327 6.93	18654 13.86
Corn stover	0 0.00	9327 6.93	0 0.00	9327 6.93	18654 13.86
Miscanthus	0 0.00	0 0.00	0 0.00	6218 4.62	6218 4.62
Noncoppice wood, pine	0 0.00	0 0.00	0 0.00	4557 3.38	4557 3.38
Noncoppice wood, poplar	0 0.00	0 0.00	0 0.00	6140 4.56	6140 4.56
Perennials	6218 4.62	0 0.00	6218 4.62	0 0.00	12436 9.24
Soybean	0 0.00	9327 6.93	0 0.00	9327 6.93	18654 13.86
Switchgrass	0 0.00	0 0.00	0 0.00	6218 4.62	6218 4.62
Wheat straw	0 0.00	9327 6.93	0 0.00	9327 6.93	18654 13.86
Total	15545 11.55	37308 27.71	15545 11.55	66239 49.20	134637 100.00

## The FREQ Procedure

Table of indicator by units

indicator(Indicator)		units(Units)		
Frequency Percent	ac	dst	gal	Total
area	15545 11.55	0 0.00	0 0.00	15545 11.55
irrgwatr_use	0 0.00	0 0.00	37308 27.71	37308 27.71
qnty	0 0.00	15545 11.55	0 0.00	15545 11.55
rainwatr_use	0 0.00	0 0.00	66239 49.20	66239 49.20
Total	15545 11.55	15545 11.55	103547 76.91	134637 100.00

## The FREQ Procedure

Table of feedstock by year

feedstock(Feedstock)	year(Year)		
Frequency Percent	2017	2040	Total
Annuals	6218 4.62	12436 9.24	18654 13.86
Coppice wood, wi llow	0 0.00	5798 4.31	5798 4.31
Corn	6218 4.62	12436 9.24	18654 13.86
Corn stover	6218 4.62	12436 9.24	18654 13.86
Miscanthus	0 0.00	6218 4.62	6218 4.62
Noncoppice wood, pine	0 0.00	4557 3.38	4557 3.38
Noncoppice wood, poplar	0 0.00	6140 4.56	6140 4.56
Perennials	0 0.00	12436 9.24	12436 9.24
Soybean	6218 4.62	12436 9.24	18654 13.86
Switchgrass	0 0.00	6218 4.62	6218 4.62
Wheat straw	6218 4.62	12436 9.24	18654 13.86
Total	31090 23.09	103547 76.91	134637 100.00

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BC1	2017	Harv	Annuals	area	ac	3109	0	0	213020	15952.04
BC1	2017	Prod	Annuals	qnty	dst	3109	0	0	1132330	75529.61
BC1	2017	Prod	Corn	irrgwatr_use	gal	3109	0	0	21994286547	396892174.90
				rainwatr_use	gal	3109	0	0	36591322033	2740673555.85
BC1	2017	Prod	Corn stover	irrgwatr_use	gal	3109	0	0	0	0.00
				rainwatr_use	gal	3109	0	0	13241318591	649707076.72
BC1	2017	Prod	Soybean	irrgwatr_use	gal	3109	0	0	4199945161	45773192.99
				rainwatr_use	gal	3109	0	0	15007963631	904290312.85
BC1	2017	Prod	Wheat straw	irrgwatr_use	gal	3109	0	0	0	0.00
				rainwatr_use	gal	3109	0	0	20501667220	324138868.91
BC1	2040	Harv	Annuals	area	ac	3109	0	0	198317	15366.92
BC1	2040	Harv	Perennials	area	ac	3109	0	0	307282	15536.66
BC1	2040	Prod	Annuals	qnty	dst	3109	0	0	1494767	99539.62
BC1	2040	Prod	Coppice wood, willow	rainwatr_use	gal	2899	0	0	5595364342	181652296.25

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BC1	2040	Prod	Corn	irrgwatr_use	gal	3109	0	0	19368500275	342390441.57
				rainwatr_use	gal	3109	0	0	30161664249	2194490958.51
BC1	2040	Prod	Corn stover	irrgwatr_use	gal	3109	0	0	0	0.00
				rainwatr_use	gal	3109	0	0	15928749245	889953544.47
BC1	2040	Prod	Miscanthus	rainwatr_use	gal	3109	0	0	155264072859	3501393204.49
BC1	2040	Prod	Noncoppice wood, pine	rainwatr_use	gal	3109	0	0	515747476	697992.29
BC1	2040	Prod	Noncoppice wood, poplar	rainwatr_use	gal	3070	0	0	8749091008	195505470.17
BC1	2040	Prod	Perennials	qnty	dst	3109	0	0	2771039	125628.56
BC1	2040	Prod	Soybean	irrgwatr_use	gal	3109	0	0	3938558804	39292594.57
				rainwatr_use	gal	3109	0	0	11848819624	763660771.37
BC1	2040	Prod	Switchgrass	rainwatr_use	gal	3109	0	0	187500513602	5382325527.01
BC1	2040	Prod	Wheat straw	irrgwatr_use	gal	3109	0	0	0	0.00
				rainwatr_use	gal	3109	0	0	26084239018	427629584.56
HH3	2040	Harv	Annuals	area	ac	3109	0	0	190450	13671.48

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HH3	2040	Harv	Perennials	area	ac	3109	0	0	310956	19767.28
HH3	2040	Prod	Annuals	qnty	dst	3109	0	0	1692582	106799.81
HH3	2040	Prod	Coppice wood, willow	rainwatr_use	gal	2899	0	0	6016876182	378436853.73
HH3	2040	Prod	Corn	irrgwatr_use	gal	3109	0	0	17132453860	286712828.68
				rainwatr_use	gal	3109	0	0	21738373146	1714869060.35
HH3	2040	Prod	Corn stover	irrgwatr_use	gal	3109	0	0	0	0.00
				rainwatr_use	gal	3109	0	0	13865052402	711883331.47
HH3	2040	Prod	Miscanthus	rainwatr_use	gal	3109	0	0	195089489506	6150002692.83
HH3	2040	Prod	Noncoppice wood, pine	rainwatr_use	gal	1448	0	0	410881152	1473365.53
HH3	2040	Prod	Noncoppice wood, poplar	rainwatr_use	gal	3070	0	0	5105032931	248883072.56
HH3	2040	Prod	Perennials	qnty	dst	3109	0	0	3866184	224547.84
HH3	2040	Prod	Soybean	irrgwatr_use	gal	3109	0	0	3444238354	37589259.17
				rainwatr_use	gal	3109	0	0	10906794474	691211934.87
HH3	2040	Prod	Switchgrass	rainwatr_use	gal	3109	0	0	187486207126	4608247755.36



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					u n i t	— o b s —	— m i s —	— m i s —	— m a x —	— a v g —	
HH3	2040	Prod	Wheat straw		irrgwatr_use	gal	3109	0	0	0	0.00
					rainwatr_use	gal	3109	0	0	28361510734	735167979.63