

## The FREQ Procedure

## File identifier

fileid	Frequency	Percent	Cumulative Frequency	Cumulative Percent
chap13	1000463	100.00	1000463	100.00

## Table of scenario by year

scenario(Scenario)	year(Year)			
Frequency Percent	.	2050	2070	Total
	21128 2.11	0 0.00	0 0.00	21128 2.11
BayPRSM	27981 2.80	0 0.00	0 0.00	27981 2.80
BayWCLM	27981 2.80	0 0.00	0 0.00	27981 2.80
PRSM	27981 2.80	0 0.00	0 0.00	27981 2.80
RCP2.6	0 0.00	111924 11.19	111924 11.19	223848 22.37
RCP4.5	0 0.00	111924 11.19	111924 11.19	223848 22.37
RCP6.0	0 0.00	111924 11.19	111924 11.19	223848 22.37
RCP8.5	0 0.00	111924 11.19	111924 11.19	223848 22.37
Total	105071 10.50	447696 44.75	447696 44.75	1000463 100.00

## The FREQ Procedure

Table of feedstock by srce

feedstock(Feedstock)		srce(Source)	
Frequency Percent	County	Prod	Total
	21128 2.11	0 0.00	21128 2.11
Biomass sorghum	0 0.00	108815 10.88	108815 10.88
Coppice wood, wi llow	0 0.00	108815 10.88	108815 10.88
Energy cane	0 0.00	108815 10.88	108815 10.88
Grasses, CRP	0 0.00	108815 10.88	108815 10.88
Miscanthus	0 0.00	108815 10.88	108815 10.88
Noncoppice wood, pine	0 0.00	108815 10.88	108815 10.88
Noncoppice wood, poplar	0 0.00	108815 10.88	108815 10.88
Switchgrass, hig hland	0 0.00	108815 10.88	108815 10.88
Switchgrass, low land	0 0.00	108815 10.88	108815 10.88
Total	21128 2.11	979335 97.89	1000463 100.00

## The FREQ Procedure

Table of feedstock by indicator

feedstock(Feedstock)	indicator(Indicator)						
Frequency Percent	area	prec_tot	soil_drn	soil_ph	soil_whc	temp_max	Total
	3109 0.31	3105 0.31	2584 0.26	3060 0.31	3060 0.31	3105 0.31	21128 2.11
Biomass sorghum	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	108815 10.88
Coppice wood, wi llow	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	108815 10.88
Energy cane	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	108815 10.88
Grasses, CRP	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	108815 10.88
Miscanthus	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	108815 10.88
Noncoppice wood, pine	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	108815 10.88
Noncoppice wood, poplar	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	108815 10.88
Switchgrass, hig hland	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	108815 10.88
Switchgrass, low land	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	108815 10.88
Total	3109 0.31	3105 0.31	2584 0.26	3060 0.31	3060 0.31	3105 0.31	1000463 100.00

(Continued)

## The FREQ Procedure

Table of feedstock by indicator

feedstock(Feedstock)	indicator(Indicator)					
Frequency Percent	temp_min	yldr	yldr_chn g	yldr_prb d	yldr_prb i	Total
	3105 0.31	0 0.00	0 0.00	0 0.00	0 0.00	21128 2.11
Biomass sorghum	0 0.00	34199 3.42	24872 2.49	24872 2.49	24872 2.49	108815 10.88
Coppice wood, wi llow	0 0.00	34199 3.42	24872 2.49	24872 2.49	24872 2.49	108815 10.88
Energy cane	0 0.00	34199 3.42	24872 2.49	24872 2.49	24872 2.49	108815 10.88
Grasses, CRP	0 0.00	34199 3.42	24872 2.49	24872 2.49	24872 2.49	108815 10.88
Miscanthus	0 0.00	34199 3.42	24872 2.49	24872 2.49	24872 2.49	108815 10.88
Noncoppice wood, pine	0 0.00	34199 3.42	24872 2.49	24872 2.49	24872 2.49	108815 10.88
Noncoppice wood, poplar	0 0.00	34199 3.42	24872 2.49	24872 2.49	24872 2.49	108815 10.88
Switchgrass, hig hland	0 0.00	34199 3.42	24872 2.49	24872 2.49	24872 2.49	108815 10.88
Switchgrass, low land	0 0.00	34199 3.42	24872 2.49	24872 2.49	24872 2.49	108815 10.88
Total	3105 0.31	307791 30.76	223848 22.37	223848 22.37	223848 22.37	1000463 100.00

## The FREQ Procedure

Table of indicator by units

indicator(Indicator)      units(Units)

Frequency Percent		%	SU	degC	frac	km2	mm	Total
area	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	3109 0.31	0 0.00	3109 0.31
prec_tot	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	3105 0.31	3105 0.31
soil_drn	2584 0.26	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	2584 0.26
soil_ph	0 0.00	0 0.00	3060 0.31	0 0.00	0 0.00	0 0.00	0 0.00	3060 0.31
soil_whc	0 0.00	0 0.00	0 0.00	0 0.00	3060 0.31	0 0.00	0 0.00	3060 0.31
temp_max	0 0.00	0 0.00	0 0.00	3105 0.31	0 0.00	0 0.00	0 0.00	3105 0.31
temp_min	0 0.00	0 0.00	0 0.00	3105 0.31	0 0.00	0 0.00	0 0.00	3105 0.31
yldr	0 0.00	307791 30.76	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	307791 30.76
yldr_chng	0 0.00	223848 22.37	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	223848 22.37
yldr_prbd	0 0.00	223848 22.37	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	223848 22.37
yldr_prbi	0 0.00	223848 22.37	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	223848 22.37
Total	2584 0.26	979335 97.89	3060 0.31	6210 0.62	3060 0.31	3109 0.31	3105 0.31	1000463 100.00

## The FREQ Procedure

Table of feedstock by year

feedstock(Feedstock)      year(Year)

Frequency Percent	.	2050	2070	Total
	21128 2.11	0 0.00	0 0.00	21128 2.11
Biomass sorghum	9327 0.93	49744 4.97	49744 4.97	108815 10.88
Coppice wood, wi llow	9327 0.93	49744 4.97	49744 4.97	108815 10.88
Energy cane	9327 0.93	49744 4.97	49744 4.97	108815 10.88
Grasses, CRP	9327 0.93	49744 4.97	49744 4.97	108815 10.88
Miscanthus	9327 0.93	49744 4.97	49744 4.97	108815 10.88
Noncoppice wood, pine	9327 0.93	49744 4.97	49744 4.97	108815 10.88
Noncoppice wood, poplar	9327 0.93	49744 4.97	49744 4.97	108815 10.88
Switchgrass, hig hland	9327 0.93	49744 4.97	49744 4.97	108815 10.88
Switchgrass, low land	9327 0.93	49744 4.97	49744 4.97	108815 10.88
Total	105071 10.50	447696 44.75	447696 44.75	1000463 100.00

scenario	year	srce	feedstock	indicator	units	_obs_	_mis_	_min_	_max_	_avg_
		. County		area	km2	3109	0	5.1768	52072.20	2599.51
				prec_tot	mm	3105	0	94.4514	2924.72	995.28
				soil_drn		2584	0	1.0000	4.61	3.40
				soil_ph	SU	3060	0	2.7852	8.18	5.61
				soil_whc	frac	3060	0	0.0425	0.24	0.13
				temp_max	degC	3105	0	7.4010	30.80	18.77
				temp_min	degC	3105	0	-6.5639	20.72	6.31
BayPRSM		. Prod	Biomass sorghum	ylldr	%	3109	0	2.4000	95.00	47.29
BayPRSM		. Prod	Coppice wood, willow	ylldr	%	3109	0	0.8115	73.29	37.88
BayPRSM		. Prod	Energy cane	ylldr	%	3109	0	0.1000	61.90	11.47
BayPRSM		. Prod	Grasses, CRP	ylldr	%	3109	0	4.5000	73.00	47.17
BayPRSM		. Prod	Miscanthus	ylldr	%	3109	0	2.4000	85.00	49.74
BayPRSM		. Prod	Noncoppice wood, pine	ylldr	%	3109	0	0.1000	66.80	17.00
BayPRSM		. Prod	Noncoppice wood, poplar	ylldr	%	3109	0	4.6000	85.00	53.03
BayPRSM		. Prod	Switchgrass, highland	ylldr	%	3109	0	3.0000	81.10	50.00
BayPRSM		. Prod	Switchgrass, lowland	ylldr	%	3109	0	0.8000	85.00	40.88
BayWCLM		. Prod	Biomass sorghum	ylldr	%	3109	0	3.0000	85.00	45.61
BayWCLM		. Prod	Coppice wood, willow	ylldr	%	3109	0	0.5552	84.99	37.04
BayWCLM		. Prod	Energy cane	ylldr	%	3109	0	0.1000	61.90	10.41
BayWCLM		. Prod	Grasses, CRP	ylldr	%	3109	0	3.0000	73.00	46.54
BayWCLM		. Prod	Miscanthus	ylldr	%	3109	0	0.6000	84.70	48.49

scenario	year	srce	feedstock	indicator	units	_obs_	_mis_	_min_	_max_	_avg_
BayWCLM	.	Prod	Noncoppice wood, pine	yldr	%	3109	0	0.1000	66.70	15.35
BayWCLM	.	Prod	Noncoppice wood, poplar	yldr	%	3109	0	3.0000	90.00	51.93
BayWCLM	.	Prod	Switchgrass, highland	yldr	%	3109	0	3.0000	84.70	48.73
BayWCLM	.	Prod	Switchgrass, lowland	yldr	%	3109	0	0.6000	81.60	39.03
PRSM	.	Prod	Biomass sorghum	yldr	%	3109	0	1.7000	82.70	46.77
PRSM	.	Prod	Coppice wood, willow	yldr	%	3109	0	0.0000	72.00	37.52
PRSM	.	Prod	Energy cane	yldr	%	3109	0	0.0000	63.20	11.38
PRSM	.	Prod	Grasses, CRP	yldr	%	3109	0	3.9000	73.30	46.73
PRSM	.	Prod	Miscanthus	yldr	%	3109	0	0.9000	79.90	49.27
PRSM	.	Prod	Noncoppice wood, pine	yldr	%	3109	0	0.0000	71.20	16.84
PRSM	.	Prod	Noncoppice wood, poplar	yldr	%	3109	0	4.2000	78.50	52.52
PRSM	.	Prod	Switchgrass, highland	yldr	%	3109	0	2.4000	77.80	49.60
PRSM	.	Prod	Switchgrass, lowland	yldr	%	3109	0	0.2000	78.40	40.35
RCP2.6	2050	Prod	Biomass sorghum	yldr	%	3109	0	3.3331	73.86	43.68
				yldr_chng	%	3109	0	-43.4000	46.20	-1.92
				yldr_prbd	%	3109	0	0.0000	100.00	47.05
				yldr_prbi	%	3109	0	0.0000	100.00	52.95
RCP2.6	2050	Prod	Coppice wood, willow	yldr	%	3109	0	0.3453	66.27	31.34
				yldr_chng	%	3109	0	-48.7743	38.24	-5.70
				yldr_prbd	%	3109	0	0.0000	100.00	56.90
				yldr_prbi	%	3109	0	0.0000	100.00	31.39



scenario	year	srce	feedstock	indicator	units	_obs_	_mis_	_min_	_max_	_avg_
RCP2.6	2050	Prod	Energy cane	yldr	%	3109	0	0.0459	55.37	15.41
				yldr_chng	%	3109	0	-38.2000	39.90	5.02
				yldr_prbd	%	3109	0	0.0000	100.00	13.05
				yldr_prbi	%	3109	0	0.0000	100.00	77.77
RCP2.6	2050	Prod	Grasses, CRP	yldr	%	3109	0	4.9529	63.13	41.33
				yldr_chng	%	3109	0	-33.6000	33.30	-5.20
				yldr_prbd	%	3109	0	0.0000	100.00	53.35
				yldr_prbi	%	3109	0	0.0000	100.00	34.90
RCP2.6	2050	Prod	Miscanthus	yldr	%	3109	0	2.2458	75.62	44.04
				yldr_chng	%	3109	0	-39.9000	51.70	-4.45
				yldr_prbd	%	3109	0	0.0000	100.00	49.03
				yldr_prbi	%	3109	0	0.0000	100.00	39.19
RCP2.6	2050	Prod	Noncoppice wood, pine	yldr	%	3109	0	0.0459	59.07	20.52
				yldr_chng	%	3109	0	-36.7000	40.60	5.18
				yldr_prbd	%	3109	0	0.0000	100.00	16.86
				yldr_prbi	%	3109	0	0.0000	100.00	71.35
RCP2.6	2050	Prod	Noncoppice wood, poplar	yldr	%	3109	0	4.7898	69.33	46.66
				yldr_chng	%	3109	0	-41.4000	40.30	-5.27
				yldr_prbd	%	3109	0	0.0000	100.00	51.12
				yldr_prbi	%	3109	0	0.0000	100.00	37.11
RCP2.6	2050	Prod	Switchgrass, highland	yldr	%	3109	0	4.1374	67.86	43.40
				yldr_chng	%	3109	0	-38.3000	38.50	-5.32
				yldr_prbd	%	3109	0	0.0000	100.00	54.31
				yldr_prbi	%	3109	0	0.0000	100.00	34.79
RCP2.6	2050	Prod	Switchgrass, lowland	yldr	%	3109	0	0.9118	70.35	40.21
				yldr_chng	%	3109	0	-43.0000	44.80	1.18
				yldr_prbd	%	3109	0	0.0000	100.00	26.87
				yldr_prbi	%	3109	0	0.0000	100.00	62.21
RCP2.6	2070	Prod	Biomass sorghum	yldr	%	3109	0	3.1359	77.23	44.10
				yldr_chng	%	3109	0	-41.4000	45.50	-1.50
				yldr_prbd	%	3109	0	0.0000	100.00	33.15
				yldr_prbi	%	3109	0	0.0000	100.00	56.24
RCP2.6	2070	Prod	Coppice wood, willow	yldr	%	3109	0	0.6856	67.56	31.77
				yldr_chng	%	3109	0	-44.3569	41.59	-5.26
				yldr_prbd	%	3109	0	0.0000	100.00	55.25

scenario	year	srce	feedstock	indicator	units	_obs_	_mis_	_min_	_max_	_avg_
RCP2.6	2070	Prod	Coppice wood, willow	yldr_prbi	%	3109	0	0.0000	100.00	33.57
RCP2.6	2070	Prod	Energy cane	yldr	%	3109	0	0.0459	54.04	15.55
				yldr_chng	%	3109	0	-38.0000	39.40	5.16
				yldr_prbd	%	3109	0	0.0000	100.00	12.91
				yldr_prbi	%	3109	0	0.0000	100.00	78.53
RCP2.6	2070	Prod	Grasses, CRP	yldr	%	3109	0	5.0201	63.17	41.51
				yldr_chng	%	3109	0	-33.1000	32.20	-5.03
				yldr_prbd	%	3109	0	0.0000	100.00	52.51
				yldr_prbi	%	3109	0	0.0000	100.00	36.26
RCP2.6	2070	Prod	Miscanthus	yldr	%	3109	0	2.2458	76.80	44.34
				yldr_chng	%	3109	0	-40.9000	52.30	-4.14
				yldr_prbd	%	3109	0	0.0000	100.00	47.01
				yldr_prbi	%	3109	0	0.0000	100.00	41.89
RCP2.6	2070	Prod	Noncoppice wood, pine	yldr	%	3109	0	0.0459	59.01	20.82
				yldr_chng	%	3109	0	-36.1000	40.60	5.48
				yldr_prbd	%	3109	0	0.0000	100.00	15.97
				yldr_prbi	%	3109	0	0.0000	100.00	72.78
RCP2.6	2070	Prod	Noncoppice wood, poplar	yldr	%	3109	0	4.8370	70.45	47.01
				yldr_chng	%	3109	0	-39.1000	40.30	-4.92
				yldr_prbd	%	3109	0	0.0000	100.00	49.39
				yldr_prbi	%	3109	0	0.0000	100.00	39.86
RCP2.6	2070	Prod	Switchgrass, highland	yldr	%	3109	0	5.0000	69.00	43.87
				yldr_chng	%	3109	0	-35.7000	43.10	-4.86
				yldr_prbd	%	3109	0	0.0000	100.00	51.90
				yldr_prbi	%	3109	0	0.0000	100.00	37.80
RCP2.6	2070	Prod	Switchgrass, lowland	yldr	%	3109	0	2.2782	72.57	40.60
				yldr_chng	%	3109	0	-38.3000	50.40	1.57
				yldr_prbd	%	3109	0	0.0000	100.00	26.28
				yldr_prbi	%	3109	0	0.0000	100.00	63.41
RCP4.5	2050	Prod	Biomass sorghum	yldr	%	3109	0	3.8786	78.97	48.05
				yldr_chng	%	3109	0	-37.6000	56.80	2.44
				yldr_prbd	%	3109	0	0.0000	100.00	45.97
				yldr_prbi	%	3109	0	0.0000	100.00	54.03

scenario	year	srce	feedstock	indicator	units	_obs_	_mis_	_min_	_max_	_avg_
RCP4.5	2050	Prod	Coppice wood, willow	yldr	%	3109	0	0.7479	79.92	33.29
				yldr_chng	%	3109	0	-40.4576	50.73	-3.75
				yldr_prbd	%	3109	0	0.0000	100.00	60.02
				yldr_prbi	%	3109	0	0.0000	100.00	31.81
RCP4.5	2050	Prod	Energy cane	yldr	%	3109	0	0.0500	63.13	18.81
				yldr_chng	%	3109	0	-37.6000	48.20	8.42
				yldr_prbd	%	3109	0	0.0000	100.00	11.01
				yldr_prbi	%	3109	0	0.0000	100.00	83.07
RCP4.5	2050	Prod	Grasses, CRP	yldr	%	3109	0	4.4845	73.74	44.82
				yldr_chng	%	3109	0	-31.3000	46.40	-1.71
				yldr_prbd	%	3109	0	0.0000	100.00	55.62
				yldr_prbi	%	3109	0	0.0000	100.00	36.17
RCP4.5	2050	Prod	Miscanthus	yldr	%	3109	0	2.6062	77.86	47.82
				yldr_chng	%	3109	0	-34.6000	63.50	-0.67
				yldr_prbd	%	3109	0	0.0000	100.00	52.00
				yldr_prbi	%	3109	0	0.0000	100.00	39.84
RCP4.5	2050	Prod	Noncoppice wood, pine	yldr	%	3109	0	0.0501	65.45	24.33
				yldr_chng	%	3109	0	-35.2000	49.30	8.99
				yldr_prbd	%	3109	0	0.0000	100.00	15.83
				yldr_prbi	%	3109	0	0.0000	100.00	75.94
RCP4.5	2050	Prod	Noncoppice wood, poplar	yldr	%	3109	0	4.2300	78.57	50.63
				yldr_chng	%	3109	0	-35.7000	60.40	-1.29
				yldr_prbd	%	3109	0	0.0000	100.00	54.23
				yldr_prbi	%	3109	0	0.0000	100.00	37.54
RCP4.5	2050	Prod	Switchgrass, highland	yldr	%	3109	0	4.0841	79.64	46.97
				yldr_chng	%	3109	0	-31.2000	52.00	-1.76
				yldr_prbd	%	3109	0	0.0000	100.00	57.12
				yldr_prbi	%	3109	0	0.0000	100.00	35.29
RCP4.5	2050	Prod	Switchgrass, lowland	yldr	%	3109	0	1.7716	76.91	44.90
				yldr_chng	%	3109	0	-34.1000	55.30	5.87
				yldr_prbd	%	3109	0	0.0000	100.00	27.83
				yldr_prbi	%	3109	0	0.0000	100.00	64.67
RCP4.5	2070	Prod	Biomass sorghum	yldr	%	3109	0	6.0840	83.37	48.66
				yldr_chng	%	3109	0	-32.1000	60.40	3.06
				yldr_prbd	%	3109	0	0.0000	100.00	34.87

scenario	year	srce	feedstock	indicator	units	_obs_	_mis_	_min_	_max_	_avg_
RCP4.5	2070	Prod	Biomass sorghum	yldr_prbi	%	3109	0	0.0000	100.00	58.11
RCP4.5	2070	Prod	Coppice wood, willow	yldr	%	3109	0	0.4225	71.24	32.54
				yldr_chng	%	3109	0	-45.7492	47.74	-4.49
				yldr_prbd	%	3109	0	0.0000	100.00	61.11
				yldr_prbi	%	3109	0	0.0000	100.00	31.66
RCP4.5	2070	Prod	Energy cane	yldr	%	3109	0	0.0501	60.55	20.69
				yldr_chng	%	3109	0	-37.9000	49.30	10.30
				yldr_prbd	%	3109	0	0.0000	100.00	10.26
				yldr_prbi	%	3109	0	0.0000	100.00	84.69
RCP4.5	2070	Prod	Grasses, CRP	yldr	%	3109	0	7.2270	63.86	44.55
				yldr_chng	%	3109	0	-34.0000	41.40	-1.99
				yldr_prbd	%	3109	0	0.0000	100.00	55.86
				yldr_prbi	%	3109	0	0.0000	100.00	36.88
RCP4.5	2070	Prod	Miscanthus	yldr	%	3109	0	2.4499	78.65	47.59
				yldr_chng	%	3109	0	-31.0000	63.60	-0.89
				yldr_prbd	%	3109	0	0.0000	100.00	52.65
				yldr_prbi	%	3109	0	0.0000	100.00	39.87
RCP4.5	2070	Prod	Noncoppice wood, pine	yldr	%	3109	0	0.0501	64.29	26.10
				yldr_chng	%	3109	0	-36.3000	49.10	10.76
				yldr_prbd	%	3109	0	0.0000	100.00	15.25
				yldr_prbi	%	3109	0	0.0000	100.00	77.47
RCP4.5	2070	Prod	Noncoppice wood, poplar	yldr	%	3109	0	6.6414	78.84	50.35
				yldr_chng	%	3109	0	-34.7000	53.40	-1.58
				yldr_prbd	%	3109	0	0.0000	100.00	55.39
				yldr_prbi	%	3109	0	0.0000	100.00	37.31
RCP4.5	2070	Prod	Switchgrass, highland	yldr	%	3109	0	7.1000	74.70	46.51
				yldr_chng	%	3109	0	-29.1000	48.30	-2.21
				yldr_prbd	%	3109	0	0.0000	100.00	58.22
				yldr_prbi	%	3109	0	0.0000	100.00	34.96
RCP4.5	2070	Prod	Switchgrass, lowland	yldr	%	3109	0	2.4334	79.67	45.65
				yldr_chng	%	3109	0	-32.5000	59.00	6.62
				yldr_prbd	%	3109	0	0.0000	100.00	27.85
				yldr_prbi	%	3109	0	0.0000	100.00	65.36

scenario	year	srce	feedstock	indicator	units	_obs_	_mis_	_min_	_max_	_avg_
RCP6.0	2050	Prod	Biomass sorghum	yldr	%	3109	0	3.0926	80.98	48.26
				yldr_chng	%	3109	0	-38.5000	52.10	2.66
				yldr_prbd	%	3109	0	0.0000	100.00	44.19
				yldr_prbi	%	3109	0	0.0000	100.00	55.81
RCP6.0	2050	Prod	Coppice wood, willow	yldr	%	3109	0	0.3767	77.42	34.39
				yldr_chng	%	3109	0	-40.6557	45.33	-2.65
				yldr_prbd	%	3109	0	0.0000	100.00	56.91
				yldr_prbi	%	3109	0	0.0000	100.00	32.79
RCP6.0	2050	Prod	Energy cane	yldr	%	3109	0	0.0500	60.41	17.35
				yldr_chng	%	3109	0	-38.9000	41.80	6.96
				yldr_prbd	%	3109	0	0.0000	100.00	12.18
				yldr_prbi	%	3109	0	0.0000	100.00	80.08
RCP6.0	2050	Prod	Grasses, CRP	yldr	%	3109	0	4.9749	70.48	45.23
				yldr_chng	%	3109	0	-30.5000	39.70	-1.30
				yldr_prbd	%	3109	0	0.0000	100.00	52.89
				yldr_prbi	%	3109	0	0.0000	100.00	36.77
RCP6.0	2050	Prod	Miscanthus	yldr	%	3109	0	2.4499	86.75	48.40
				yldr_chng	%	3109	0	-34.7000	57.70	-0.09
				yldr_prbd	%	3109	0	0.0000	100.00	47.87
				yldr_prbi	%	3109	0	0.0000	100.00	41.80
RCP6.0	2050	Prod	Noncoppice wood, pine	yldr	%	3109	0	0.0500	65.45	23.06
				yldr_chng	%	3109	0	-38.8000	49.30	7.72
				yldr_prbd	%	3109	0	0.0000	100.00	15.99
				yldr_prbi	%	3109	0	0.0000	100.00	73.67
RCP6.0	2050	Prod	Noncoppice wood, poplar	yldr	%	3109	0	4.6536	75.98	51.25
				yldr_chng	%	3109	0	-36.4000	50.80	-0.68
				yldr_prbd	%	3109	0	0.0000	100.00	49.69
				yldr_prbi	%	3109	0	0.0000	100.00	39.96
RCP6.0	2050	Prod	Switchgrass, highland	yldr	%	3109	0	3.9788	80.58	47.77
				yldr_chng	%	3109	0	-33.4000	48.70	-0.95
				yldr_prbd	%	3109	0	0.0000	100.00	52.74
				yldr_prbi	%	3109	0	0.0000	100.00	37.96
RCP6.0	2050	Prod	Switchgrass, lowland	yldr	%	3109	0	1.9327	79.58	44.59
				yldr_chng	%	3109	0	-34.5000	53.30	5.56
				yldr_prbd	%	3109	0	0.0000	100.00	26.26

scenario	year	srce	feedstock	indicator	units	_obs_	_mis_	_min_	_max_	_avg_
RCP6.0	2050	Prod	Switchgrass, lowland	yldr_prbi	%	3109	0	0.0000	100.00	64.28
RCP6.0	2070	Prod	Biomass sorghum	yldr	%	3109	0	6.9089	78.57	48.71
				yldr_chng	%	3109	0	-32.9000	59.60	3.10
				yldr_prbd	%	3109	0	0.0000	100.00	35.89
				yldr_prbi	%	3109	0	0.0000	100.00	57.61
RCP6.0	2070	Prod	Coppice wood, willow	yldr	%	3109	0	0.2345	74.08	32.58
				yldr_chng	%	3109	0	-44.1839	47.02	-4.45
				yldr_prbd	%	3109	0	0.0000	100.00	61.72
				yldr_prbi	%	3109	0	0.0000	100.00	31.64
RCP6.0	2070	Prod	Energy cane	yldr	%	3109	0	0.0501	60.40	20.06
				yldr_chng	%	3109	0	-37.9000	48.40	9.67
				yldr_prbd	%	3109	0	0.0000	100.00	11.18
				yldr_prbi	%	3109	0	0.0000	100.00	84.07
RCP6.0	2070	Prod	Grasses, CRP	yldr	%	3109	0	7.1649	67.81	44.67
				yldr_chng	%	3109	0	-33.9000	39.00	-1.87
				yldr_prbd	%	3109	0	0.0000	100.00	56.22
				yldr_prbi	%	3109	0	0.0000	100.00	37.12
RCP6.0	2070	Prod	Miscanthus	yldr	%	3109	0	2.4499	78.47	47.75
				yldr_chng	%	3109	0	-34.3000	60.60	-0.73
				yldr_prbd	%	3109	0	0.0000	100.00	53.55
				yldr_prbi	%	3109	0	0.0000	100.00	39.81
RCP6.0	2070	Prod	Noncoppice wood, pine	yldr	%	3109	0	0.0501	64.34	25.42
				yldr_chng	%	3109	0	-36.3000	50.90	10.07
				yldr_prbd	%	3109	0	0.0000	100.00	16.43
				yldr_prbi	%	3109	0	0.0000	100.00	76.89
RCP6.0	2070	Prod	Noncoppice wood, poplar	yldr	%	3109	0	6.7893	80.13	50.49
				yldr_chng	%	3109	0	-36.1000	50.20	-1.44
				yldr_prbd	%	3109	0	0.0000	100.00	56.29
				yldr_prbi	%	3109	0	0.0000	100.00	37.02
RCP6.0	2070	Prod	Switchgrass, highland	yldr	%	3109	0	6.9000	75.70	46.71
				yldr_chng	%	3109	0	-31.4000	46.80	-2.02
				yldr_prbd	%	3109	0	0.0000	100.00	58.73
				yldr_prbi	%	3109	0	0.0000	100.00	35.29

scenario	year	srce	feedstock	indicator	units	_obs_	_mis_	_min_	_max_	_avg_
RCP6.0	2070	Prod	Switchgrass, lowland	yldr	%	3109	0	4.4244	79.76	45.57
				yldr_chng	%	3109	0	-32.8000	57.40	6.54
				yldr_prbd	%	3109	0	0.0000	100.00	28.94
				yldr_prbi	%	3109	0	0.0000	100.00	65.01
RCP8.5	2050	Prod	Biomass sorghum	yldr	%	3109	0	5.9296	85.38	49.06
				yldr_chng	%	3109	0	-33.3000	55.80	3.45
				yldr_prbd	%	3109	0	0.0000	100.00	42.33
				yldr_prbi	%	3109	0	0.0000	100.00	57.67
RCP8.5	2050	Prod	Coppice wood, willow	yldr	%	3109	0	0.3550	74.38	32.64
				yldr_chng	%	3109	0	-42.8638	46.30	-4.40
				yldr_prbd	%	3109	0	0.0000	100.00	60.73
				yldr_prbi	%	3109	0	0.0000	100.00	32.40
RCP8.5	2050	Prod	Energy cane	yldr	%	3109	0	0.0501	62.24	20.73
				yldr_chng	%	3109	0	-37.6000	49.00	10.34
				yldr_prbd	%	3109	0	0.0000	100.00	10.09
				yldr_prbi	%	3109	0	0.0000	100.00	85.22
RCP8.5	2050	Prod	Grasses, CRP	yldr	%	3109	0	7.4599	67.41	44.84
				yldr_chng	%	3109	0	-33.7000	41.40	-1.69
				yldr_prbd	%	3109	0	0.0000	100.00	55.04
				yldr_prbi	%	3109	0	0.0000	100.00	38.05
RCP8.5	2050	Prod	Miscanthus	yldr	%	3109	0	2.6062	80.10	48.05
				yldr_chng	%	3109	0	-29.9000	58.50	-0.43
				yldr_prbd	%	3109	0	0.0000	100.00	51.61
				yldr_prbi	%	3109	0	0.0000	100.00	41.31
RCP8.5	2050	Prod	Noncoppice wood, pine	yldr	%	3109	0	0.0502	68.94	26.28
				yldr_chng	%	3109	0	-35.7000	54.80	10.93
				yldr_prbd	%	3109	0	0.0000	100.00	15.03
				yldr_prbi	%	3109	0	0.0000	100.00	78.05
RCP8.5	2050	Prod	Noncoppice wood, poplar	yldr	%	3109	0	7.2620	81.00	50.83
				yldr_chng	%	3109	0	-33.4000	53.40	-1.10
				yldr_prbd	%	3109	0	0.0000	100.00	54.11
				yldr_prbi	%	3109	0	0.0000	100.00	38.93
RCP8.5	2050	Prod	Switchgrass, highland	yldr	%	3109	0	7.5386	74.96	47.02
				yldr_chng	%	3109	0	-29.8000	45.70	-1.70
				yldr_prbd	%	3109	0	0.0000	100.00	57.19

scenario	year	srce	feedstock	indicator	units	_obs_	_mis_	_min_	_max_	_avg_
RCP8.5	2050	Prod	Switchgrass, highland	yldr_prbi	%	3109	0	0.0000	100.00	36.55
RCP8.5	2050	Prod	Switchgrass, lowland	yldr	%	3109	0	1.8085	84.70	45.93
				yldr_chng	%	3109	0	-32.3000	56.70	6.90
				yldr_prbd	%	3109	0	0.0000	100.00	27.26
				yldr_prbi	%	3109	0	0.0000	100.00	66.36
RCP8.5	2070	Prod	Biomass sorghum	yldr	%	3109	0	6.7252	78.13	49.64
				yldr_chng	%	3109	0	-25.8000	56.00	4.04
				yldr_prbd	%	3109	0	0.0000	100.00	34.57
				yldr_prbi	%	3109	0	0.0000	100.00	60.45
RCP8.5	2070	Prod	Coppice wood, willow	yldr	%	3109	0	0.7021	68.91	30.76
				yldr_chng	%	3109	0	-49.7937	50.54	-6.28
				yldr_prbd	%	3109	0	0.0000	100.00	64.52
				yldr_prbi	%	3109	0	0.0000	100.00	30.19
RCP8.5	2070	Prod	Energy cane	yldr	%	3109	0	0.0501	61.04	25.45
				yldr_chng	%	3109	0	-38.5000	55.00	15.06
				yldr_prbd	%	3109	0	0.0000	100.00	8.57
				yldr_prbi	%	3109	0	0.0000	100.00	87.82
RCP8.5	2070	Prod	Grasses, CRP	yldr	%	3109	0	9.9152	61.39	44.23
				yldr_chng	%	3109	0	-35.5000	43.00	-2.30
				yldr_prbd	%	3109	0	0.0000	100.00	57.61
				yldr_prbi	%	3109	0	0.0000	100.00	39.45
RCP8.5	2070	Prod	Miscanthus	yldr	%	3109	0	2.6062	76.62	47.50
				yldr_chng	%	3109	0	-33.3000	61.60	-0.99
				yldr_prbd	%	3109	0	0.0000	100.00	54.46
				yldr_prbi	%	3109	0	0.0000	100.00	40.19
RCP8.5	2070	Prod	Noncoppice wood, pine	yldr	%	3109	0	0.0501	64.34	30.29
				yldr_chng	%	3109	0	-37.4000	48.20	14.94
				yldr_prbd	%	3109	0	0.0000	100.00	13.96
				yldr_prbi	%	3109	0	0.0000	100.00	80.69
RCP8.5	2070	Prod	Noncoppice wood, poplar	yldr	%	3109	0	8.9877	81.85	50.06
				yldr_chng	%	3109	0	-37.9000	48.70	-1.87
				yldr_prbd	%	3109	0	0.0000	100.00	57.57
				yldr_prbi	%	3109	0	0.0000	100.00	37.03



scenario	year	srce	feedstock	indicator	units	_obs_	_mis_	_min_	_max_	_avg_
RCP8.5	2070	Prod	Switchgrass, highland	yldr	%	3109	0	6.9000	75.40	45.79
				yldr_chng	%	3109	0	-37.6000	49.20	-2.94
				yldr_prbd	%	3109	0	0.0000	100.00	61.13
				yldr_prbi	%	3109	0	0.0000	100.00	34.07
RCP8.5	2070	Prod	Switchgrass, lowland	yldr	%	3109	0	3.9457	75.90	47.25
				yldr_chng	%	3109	0	-24.0000	64.00	8.22
				yldr_prbd	%	3109	0	0.0000	100.00	27.99
				yldr_prbi	%	3109	0	0.0000	100.00	67.06