

## 2015BalsamPhenoMunging.R

*Audrey McCombs*

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```
library(tidyr)
```

```
## Warning: package 'tidyr' was built under R version 3.2.5
```

```
library(dplyr)
```

##

```
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
```

##

```
##      filter, lag
```

```
## The following objects are masked from 'package:base':
```

##

```
##      intersect, setdiff, setequal, union
```

```
library(lubridate)
```

```
## Warning: package 'lubridate' was built under R version 3.2.5
```

##

```
## Attaching package: 'lubridate'
```

```
## The following object is masked from 'package:base':
```

##

```
##      date
```

```
setwd("D:/Iowa State University/Debinski Lab/Nectar data/MAL")
```

```
bp15a11 <- read.csv("nectar analysis/data files/raw data/Balsamroot phenology/2015BalsamrootPhenologyFile")
```

### #Convert from wide to long format

```
bp15 <- bp15a11[,1:12]
```

```
for (i in 1:15) {
```

```
bp15all[,c(1:2,13:22)]
```

```
names(bptemp)[3:12] <- c("Date", "Flower.height", "Leaf.height", "BD", "AB", "FF", "SG", "SD", "ST",
```

```
bp15 <- rbind(bp15, bptemp)
```

```
bp15a11 <- bp15a11[,-c(13:22)]
```

}

```
rm(bp15a11)
```

```
rm(bptemp)
```

```
#create unique plant ID
```

```
bp15$Plot <- gsub("\\(", "(", bp15$Plot)
```

```
bp15$Plot <- gsub("\\\\", "", bp15$Plot)
```

```
bp15$plantid <- paste(bp15$Plot, bp15$Plant, sep = "-")
```

```

#create treatment category
bp15$treatment <- gsub("^C", "", bp15$Plot)
bp15$treatment <- gsub("W", "", bp15$treatment)
bp15$treatment <- gsub("E", "", bp15$treatment)
bp15$treatment <- gsub("HSR", "H", bp15$treatment)
bp15$treatment <- gsub("SR", "C", bp15$treatment)
bp15$treatment <- substr(bp15$treatment, 1, 1)

#remove plants that have no flowers
bpsmall <- bp15[!(is.na(bp15$Flower.height)),]
bpsmall <- bpsmall[bpsmall$Flower.height != "0",]
rm(bp15)
bpsmall <- bpsmall[,-c(2,4:5, 7, 11:12)]

bpsmall <- rename(bpsmall, plot = Plot, date = Date)

bpsmall <- bpsmall[,c(1,7,8,2,3,4,5,6)]

bpsmall$date <- mdy(bpsmall$date)
bpsmall$plot <- as.factor(bpsmall$plot)
bpsmall$plantid <- as.factor(bpsmall$plantid)
bpsmall$treatment <- as.factor(bpsmall$treatment)

bpsmall[is.na(bpsmall)] <- 0
bpsmall$TF <- rowSums(bpsmall[,5:8])

#Create plant-level tables

plantdfs <- list()
dfnames <- levels(bpsmall$plantid)
for (i in 1:length(dfnames)) {
  plantdfs[[i]] = as.data.frame(subset(bpsmall, plantid == dfnames[i], select = c(1:9)))
}

# lapply(plantdfs, print) For some reason this prints the list twice, not sure why. For loop below works
for (i in 1:length(plantdfs)){
  print(plantdfs[[i]])
}

```

##	plot	plantid	treatment	date	BD	FF	SG	SD	TF
## 375	CC6	CC6-1	C	2015-05-29	1	0	0	0	1
## 534	CC6	CC6-1	C	2015-06-01	0	0	0	0	0
## 693	CC6	CC6-1	C	2015-06-03	0	0	0	0	0
## 852	CC6	CC6-1	C	2015-06-05	0	0	0	0	0
## 1011	CC6	CC6-1	C	2015-06-07	0	0	0	0	0
## 1170	CC6	CC6-1	C	2015-06-09	0	0	0	0	0
## 1329	CC6	CC6-1	C	2015-06-11	0	0	0	0	0
## 1488	CC6	CC6-1	C	2015-06-13	0	0	0	0	0
## 1647	CC6	CC6-1	C	2015-06-15	0	0	0	0	0
## 1806	CC6	CC6-1	C	2015-06-17	0	0	0	0	0
## 1965	CC6	CC6-1	C	2015-06-19	0	0	0	0	0
## 2124	CC6	CC6-1	C	2015-06-21	0	0	0	0	0
## 2283	CC6	CC6-1	C	2015-06-23	0	0	0	0	0

##	2442	CC6	CC6-1	C	2015-06-26	0	0	0	0	0
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	66	CC6	CC6-10	C	2015-05-24	1	0	0	0	1
##	225	CC6	CC6-10	C	2015-05-26	1	0	0	0	1
##	384	CC6	CC6-10	C	2015-05-29	1	0	0	0	1
##	543	CC6	CC6-10	C	2015-06-01	1	0	0	0	1
##	702	CC6	CC6-10	C	2015-06-03	1	0	0	0	1
##	861	CC6	CC6-10	C	2015-06-05	0	1	0	0	1
##	1020	CC6	CC6-10	C	2015-06-07	0	1	0	0	1
##	1179	CC6	CC6-10	C	2015-06-09	0	1	0	0	1
##	1338	CC6	CC6-10	C	2015-06-11	0	0	1	0	1
##	1497	CC6	CC6-10	C	2015-06-13	0	0	1	0	1
##	1656	CC6	CC6-10	C	2015-06-15	0	0	0	1	1
##	1815	CC6	CC6-10	C	2015-06-17	0	0	0	1	1
##	1974	CC6	CC6-10	C	2015-06-19	0	0	0	1	1
##	2133	CC6	CC6-10	C	2015-06-21	0	0	0	1	1
##	2292	CC6	CC6-10	C	2015-06-23	0	0	0	1	1
##	2451	CC6	CC6-10	C	2015-06-26	0	0	0	1	1
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	65	CC6	CC6-9	C	2015-05-24	12	0	0	0	12
##	224	CC6	CC6-9	C	2015-05-26	8	2	0	0	10
##	383	CC6	CC6-9	C	2015-05-29	10	2	0	0	12
##	542	CC6	CC6-9	C	2015-06-01	4	6	0	0	10
##	701	CC6	CC6-9	C	2015-06-03	2	8	0	0	10
##	860	CC6	CC6-9	C	2015-06-05	0	10	0	0	10
##	1019	CC6	CC6-9	C	2015-06-07	0	10	0	0	10
##	1178	CC6	CC6-9	C	2015-06-09	0	9	0	1	10
##	1337	CC6	CC6-9	C	2015-06-11	0	10	0	0	10
##	1496	CC6	CC6-9	C	2015-06-13	0	0	7	3	10
##	1655	CC6	CC6-9	C	2015-06-15	0	0	8	1	9
##	1814	CC6	CC6-9	C	2015-06-17	0	0	4	6	10
##	1973	CC6	CC6-9	C	2015-06-19	0	0	4	6	10
##	2132	CC6	CC6-9	C	2015-06-21	0	0	0	10	10
##	2291	CC6	CC6-9	C	2015-06-23	0	0	1	9	10
##	2450	CC6	CC6-9	C	2015-06-26	0	0	0	10	10
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	74	CH5	CH5-2	H	2015-05-24	3	0	0	0	3
##	233	CH5	CH5-2	H	2015-05-26	3	0	0	0	3
##	392	CH5	CH5-2	H	2015-05-29	3	0	0	0	3
##	551	CH5	CH5-2	H	2015-06-01	2	1	0	0	3
##	710	CH5	CH5-2	H	2015-06-03	0	3	0	0	3
##	869	CH5	CH5-2	H	2015-06-05	0	0	0	0	0
##	1028	CH5	CH5-2	H	2015-06-07	0	3	0	0	3
##	1187	CH5	CH5-2	H	2015-06-09	0	3	0	0	3
##	1346	CH5	CH5-2	H	2015-06-11	0	3	0	0	3
##	1505	CH5	CH5-2	H	2015-06-13	0	0	3	0	3
##	1664	CH5	CH5-2	H	2015-06-15	0	0	3	0	3
##	1823	CH5	CH5-2	H	2015-06-17	0	0	2	1	3
##	1982	CH5	CH5-2	H	2015-06-19	0	0	0	3	3
##	2141	CH5	CH5-2	H	2015-06-21	0	0	0	3	3
##	2300	CH5	CH5-2	H	2015-06-23	0	0	0	3	3
##	2459	CH5	CH5-2	H	2015-06-26	0	0	0	3	3
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	76	CH5	CH5-4	H	2015-05-24	1	0	0	0	1

##	235	CH5	CH5-4	H	2015-05-26	1	0	0	0	1
##	394	CH5	CH5-4	H	2015-05-29	1	0	0	0	1
##	553	CH5	CH5-4	H	2015-06-01	0	1	0	0	1
##	712	CH5	CH5-4	H	2015-06-03	0	1	0	0	1
##	871	CH5	CH5-4	H	2015-06-05	0	1	0	0	1
##	1030	CH5	CH5-4	H	2015-06-07	0	1	0	0	1
##	1189	CH5	CH5-4	H	2015-06-09	0	1	0	0	1
##	1348	CH5	CH5-4	H	2015-06-11	0	1	0	0	1
##	1507	CH5	CH5-4	H	2015-06-13	0	1	0	0	1
##	1666	CH5	CH5-4	H	2015-06-15	0	1	0	0	1
##	1825	CH5	CH5-4	H	2015-06-17	0	1	0	0	1
##	1984	CH5	CH5-4	H	2015-06-19	0	0	1	0	1
##	2143	CH5	CH5-4	H	2015-06-21	0	0	1	0	1
##	2302	CH5	CH5-4	H	2015-06-23	0	0	1	0	1
##	2461	CH5	CH5-4	H	2015-06-26	0	0	1	0	1
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	77	CH5	CH5-5	H	2015-05-24	2	0	0	0	2
##	395	CH5	CH5-5	H	2015-05-29	1	0	0	0	1
##	554	CH5	CH5-5	H	2015-06-01	1	1	0	0	2
##	713	CH5	CH5-5	H	2015-06-03	1	1	0	0	2
##	872	CH5	CH5-5	H	2015-06-05	1	1	0	0	2
##	1031	CH5	CH5-5	H	2015-06-07	1	1	0	0	2
##	1190	CH5	CH5-5	H	2015-06-09	1	1	0	0	2
##	1349	CH5	CH5-5	H	2015-06-11	0	2	0	0	2
##	1508	CH5	CH5-5	H	2015-06-13	0	2	0	0	2
##	1667	CH5	CH5-5	H	2015-06-15	0	2	0	0	2
##	1826	CH5	CH5-5	H	2015-06-17	0	0	2	0	2
##	1985	CH5	CH5-5	H	2015-06-19	0	0	1	1	2
##	2144	CH5	CH5-5	H	2015-06-21	0	0	1	0	1
##	2303	CH5	CH5-5	H	2015-06-23	0	0	0	2	2
##	2462	CH5	CH5-5	H	2015-06-26	0	0	0	2	2
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	78	CH5	CH5-6	H	2015-05-24	4	0	0	0	4
##	237	CH5	CH5-6	H	2015-05-26	4	0	0	0	4
##	396	CH5	CH5-6	H	2015-05-29	4	0	0	0	4
##	555	CH5	CH5-6	H	2015-06-01	2	2	0	0	4
##	714	CH5	CH5-6	H	2015-06-03	1	3	0	0	4
##	873	CH5	CH5-6	H	2015-06-05	1	3	0	0	4
##	1032	CH5	CH5-6	H	2015-06-07	0	4	0	0	4
##	1191	CH5	CH5-6	H	2015-06-09	0	4	0	0	4
##	1350	CH5	CH5-6	H	2015-06-11	0	4	0	0	4
##	1509	CH5	CH5-6	H	2015-06-13	0	2	2	0	4
##	1668	CH5	CH5-6	H	2015-06-15	0	1	3	0	4
##	1827	CH5	CH5-6	H	2015-06-17	0	1	3	0	4
##	1986	CH5	CH5-6	H	2015-06-19	0	0	4	0	4
##	2145	CH5	CH5-6	H	2015-06-21	0	0	1	3	4
##	2304	CH5	CH5-6	H	2015-06-23	0	0	0	4	4
##	2463	CH5	CH5-6	H	2015-06-26	0	0	0	4	4
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	79	CH5	CH5-7	H	2015-05-24	12	0	0	0	12
##	238	CH5	CH5-7	H	2015-05-26	10	0	0	0	10
##	397	CH5	CH5-7	H	2015-05-29	12	0	0	0	12
##	556	CH5	CH5-7	H	2015-06-01	5	6	0	0	11
##	715	CH5	CH5-7	H	2015-06-03	1	10	0	0	11

##	874	CH5	CH5-7	H	2015-06-05	1	10	0	0	11
##	1033	CH5	CH5-7	H	2015-06-07	1	10	0	0	11
##	1192	CH5	CH5-7	H	2015-06-09	0	10	1	0	11
##	1351	CH5	CH5-7	H	2015-06-11	0	11	0	0	11
##	1510	CH5	CH5-7	H	2015-06-13	0	5	6	0	11
##	1669	CH5	CH5-7	H	2015-06-15	0	0	11	0	11
##	1828	CH5	CH5-7	H	2015-06-17	0	0	11	0	11
##	1987	CH5	CH5-7	H	2015-06-19	0	0	3	8	11
##	2146	CH5	CH5-7	H	2015-06-21	0	0	2	9	11
##	2305	CH5	CH5-7	H	2015-06-23	0	0	2	9	11
##	2464	CH5	CH5-7	H	2015-06-26	0	0	0	11	11
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	85	CHSR8	CHSR8-2	H	2015-05-24	6	0	0	0	6
##	244	CHSR8	CHSR8-2	H	2015-05-26	8	0	0	0	8
##	403	CHSR8	CHSR8-2	H	2015-05-29	8	0	0	0	8
##	562	CHSR8	CHSR8-2	H	2015-06-01	6	2	0	0	8
##	721	CHSR8	CHSR8-2	H	2015-06-03	3	5	0	0	8
##	880	CHSR8	CHSR8-2	H	2015-06-05	4	5	0	0	9
##	1039	CHSR8	CHSR8-2	H	2015-06-07	2	7	0	0	9
##	1198	CHSR8	CHSR8-2	H	2015-06-09	2	7	0	0	9
##	1357	CHSR8	CHSR8-2	H	2015-06-11	1	7	1	0	9
##	1516	CHSR8	CHSR8-2	H	2015-06-13	0	2	2	0	4
##	1675	CHSR8	CHSR8-2	H	2015-06-15	0	4	4	0	8
##	1834	CHSR8	CHSR8-2	H	2015-06-17	0	0	6	2	8
##	1993	CHSR8	CHSR8-2	H	2015-06-19	0	0	3	5	8
##	2152	CHSR8	CHSR8-2	H	2015-06-21	0	0	4	4	8
##	2311	CHSR8	CHSR8-2	H	2015-06-23	0	0	2	6	8
##	2470	CHSR8	CHSR8-2	H	2015-06-26	0	0	0	7	7
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	87	CHSR8	CHSR8-4	H	2015-05-24	22	0	0	0	22
##	246	CHSR8	CHSR8-4	H	2015-05-26	24	0	0	0	24
##	405	CHSR8	CHSR8-4	H	2015-05-29	29	0	0	0	29
##	564	CHSR8	CHSR8-4	H	2015-06-01	26	3	0	0	29
##	723	CHSR8	CHSR8-4	H	2015-06-03	21	8	0	0	29
##	882	CHSR8	CHSR8-4	H	2015-06-05	18	10	0	0	28
##	1041	CHSR8	CHSR8-4	H	2015-06-07	17	13	0	0	30
##	1200	CHSR8	CHSR8-4	H	2015-06-09	12	20	0	0	32
##	1359	CHSR8	CHSR8-4	H	2015-06-11	14	21	0	0	35
##	1518	CHSR8	CHSR8-4	H	2015-06-13	11	17	4	1	33
##	1677	CHSR8	CHSR8-4	H	2015-06-15	7	15	8	0	30
##	1836	CHSR8	CHSR8-4	H	2015-06-17	8	5	14	5	32
##	1995	CHSR8	CHSR8-4	H	2015-06-19	6	5	14	5	30
##	2154	CHSR8	CHSR8-4	H	2015-06-21	6	4	14	6	30
##	2313	CHSR8	CHSR8-4	H	2015-06-23	5	1	11	11	28
##	2472	CHSR8	CHSR8-4	H	2015-06-26	4	0	2	21	27
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	89	CHSR8	CHSR8-6	H	2015-05-24	8	0	0	0	8
##	248	CHSR8	CHSR8-6	H	2015-05-26	8	0	0	0	8
##	407	CHSR8	CHSR8-6	H	2015-05-29	7	0	0	0	7
##	566	CHSR8	CHSR8-6	H	2015-06-01	8	2	0	0	10
##	725	CHSR8	CHSR8-6	H	2015-06-03	5	3	0	0	8
##	884	CHSR8	CHSR8-6	H	2015-06-05	6	4	0	0	10
##	1043	CHSR8	CHSR8-6	H	2015-06-07	5	5	0	0	10
##	1202	CHSR8	CHSR8-6	H	2015-06-09	3	7	0	0	10

##	1361	CHSR8	CHSR8-6	H	2015-06-11	3	5	2	0	10
##	1520	CHSR8	CHSR8-6	H	2015-06-13	2	4	2	2	10
##	1679	CHSR8	CHSR8-6	H	2015-06-15	2	4	4	0	10
##	1838	CHSR8	CHSR8-6	H	2015-06-17	0	1	5	1	7
##	1997	CHSR8	CHSR8-6	H	2015-06-19	2	1	5	2	10
##	2156	CHSR8	CHSR8-6	H	2015-06-21	0	0	5	3	8
##	2315	CHSR8	CHSR8-6	H	2015-06-23	0	0	1	6	7
##	2474	CHSR8	CHSR8-6	H	2015-06-26	0	0	0	6	6
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	2317	CHSR8	CHSR8-8	H	2015-06-23	0	0	0	0	0
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	251	CSR7	CSR7-1	C	2015-05-26	0	0	0	0	0
##	410	CSR7	CSR7-1	C	2015-05-29	1	0	0	0	1
##	569	CSR7	CSR7-1	C	2015-06-01	1	0	0	0	1
##	728	CSR7	CSR7-1	C	2015-06-03	0	0	0	0	0
##	887	CSR7	CSR7-1	C	2015-06-05	0	0	0	0	0
##	1046	CSR7	CSR7-1	C	2015-06-07	0	0	0	0	0
##	1205	CSR7	CSR7-1	C	2015-06-09	0	0	0	0	0
##	1364	CSR7	CSR7-1	C	2015-06-11	0	0	0	0	0
##	1523	CSR7	CSR7-1	C	2015-06-13	0	0	0	0	0
##	1682	CSR7	CSR7-1	C	2015-06-15	0	0	0	0	0
##	1841	CSR7	CSR7-1	C	2015-06-17	0	0	0	0	0
##	2000	CSR7	CSR7-1	C	2015-06-19	0	0	0	0	0
##	2159	CSR7	CSR7-1	C	2015-06-21	0	0	0	0	0
##	2318	CSR7	CSR7-1	C	2015-06-23	0	0	0	0	0
##	2477	CSR7	CSR7-1	C	2015-06-26	0	0	0	0	0
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	1207	CSR7	CSR7-3	C	2015-06-09	0	0	0	0	0
##	1525	CSR7	CSR7-3	C	2015-06-13	0	0	0	0	0
##	1684	CSR7	CSR7-3	C	2015-06-15	0	0	0	0	0
##	2161	CSR7	CSR7-3	C	2015-06-21	0	0	0	0	0
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	414	CSR7	CSR7-5	C	2015-05-29	0	0	0	0	0
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	100	CSR7	CSR7-9	C	2015-05-24	0	0	0	0	0
##	259	CSR7	CSR7-9	C	2015-05-26	2	0	0	0	2
##	418	CSR7	CSR7-9	C	2015-05-29	2	0	0	0	2
##	577	CSR7	CSR7-9	C	2015-06-01	0	1	0	0	1
##	736	CSR7	CSR7-9	C	2015-06-03	1	1	0	0	2
##	895	CSR7	CSR7-9	C	2015-06-05	0	2	0	0	2
##	1054	CSR7	CSR7-9	C	2015-06-07	0	2	0	0	2
##	1213	CSR7	CSR7-9	C	2015-06-09	0	2	0	0	2
##	1372	CSR7	CSR7-9	C	2015-06-11	0	2	0	0	2
##	1531	CSR7	CSR7-9	C	2015-06-13	0	1	1	0	2
##	1690	CSR7	CSR7-9	C	2015-06-15	0	0	2	0	2
##	1849	CSR7	CSR7-9	C	2015-06-17	0	0	2	0	2
##	2008	CSR7	CSR7-9	C	2015-06-19	0	0	0	2	2
##	2167	CSR7	CSR7-9	C	2015-06-21	0	0	0	0	0
##	2326	CSR7	CSR7-9	C	2015-06-23	0	0	0	2	2
##	2485	CSR7	CSR7-9	C	2015-06-26	0	0	0	0	0
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	44	EC3	EC3-1	C	2015-05-24	0	0	0	0	0
##	203	EC3	EC3-1	C	2015-05-26	1	0	0	0	1
##	362	EC3	EC3-1	C	2015-05-29	1	0	0	0	1

##	680	EC3	EC3-1	C	2015-06-03	0	0	0	0	0
##	839	EC3	EC3-1	C	2015-06-05	1	0	0	0	1
##	1157	EC3	EC3-1	C	2015-06-09	0	0	0	0	0
##	1316	EC3	EC3-1	C	2015-06-11	0	0	0	0	0
##	1634	EC3	EC3-1	C	2015-06-15	0	0	0	0	0
##	1793	EC3	EC3-1	C	2015-06-17	0	0	0	0	0
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	204	EC3	EC3-2	C	2015-05-26	1	0	0	0	1
##	363	EC3	EC3-2	C	2015-05-29	1	0	0	0	1
##	522	EC3	EC3-2	C	2015-06-01	1	0	0	0	1
##	681	EC3	EC3-2	C	2015-06-03	0	0	0	0	0
##	1317	EC3	EC3-2	C	2015-06-11	0	0	0	0	0
##	1476	EC3	EC3-2	C	2015-06-13	0	0	0	0	0
##	2430	EC3	EC3-2	C	2015-06-26	0	0	0	0	0
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	46	EC3	EC3-3	C	2015-05-24	1	0	0	0	1
##	205	EC3	EC3-3	C	2015-05-26	2	0	0	0	2
##	364	EC3	EC3-3	C	2015-05-29	2	0	0	0	2
##	523	EC3	EC3-3	C	2015-06-01	0	1	0	0	1
##	682	EC3	EC3-3	C	2015-06-03	0	1	0	0	1
##	841	EC3	EC3-3	C	2015-06-05	0	1	0	0	1
##	1000	EC3	EC3-3	C	2015-06-07	0	1	0	0	1
##	1159	EC3	EC3-3	C	2015-06-09	0	1	0	0	1
##	1318	EC3	EC3-3	C	2015-06-11	0	1	0	0	1
##	1477	EC3	EC3-3	C	2015-06-13	0	1	0	0	1
##	1636	EC3	EC3-3	C	2015-06-15	0	0	1	0	1
##	1795	EC3	EC3-3	C	2015-06-17	0	0	0	0	0
##	1954	EC3	EC3-3	C	2015-06-19	0	0	0	1	1
##	2113	EC3	EC3-3	C	2015-06-21	0	0	0	1	1
##	2272	EC3	EC3-3	C	2015-06-23	0	0	0	1	1
##	2431	EC3	EC3-3	C	2015-06-26	0	0	0	1	1
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	51	EC3	EC3-8	C	2015-05-24	1	0	0	0	1
##	210	EC3	EC3-8	C	2015-05-26	2	0	0	0	2
##	369	EC3	EC3-8	C	2015-05-29	2	0	0	0	2
##	528	EC3	EC3-8	C	2015-06-01	2	0	0	0	2
##	687	EC3	EC3-8	C	2015-06-03	1	0	0	0	1
##	846	EC3	EC3-8	C	2015-06-05	0	1	0	0	1
##	1005	EC3	EC3-8	C	2015-06-07	0	1	0	0	1
##	1164	EC3	EC3-8	C	2015-06-09	0	1	0	0	1
##	1323	EC3	EC3-8	C	2015-06-11	0	1	0	0	1
##	1482	EC3	EC3-8	C	2015-06-13	0	1	0	0	1
##	1641	EC3	EC3-8	C	2015-06-15	0	0	1	0	1
##	1800	EC3	EC3-8	C	2015-06-17	0	0	1	0	1
##	1959	EC3	EC3-8	C	2015-06-19	0	0	1	0	1
##	2118	EC3	EC3-8	C	2015-06-21	0	0	0	1	1
##	2277	EC3	EC3-8	C	2015-06-23	0	0	1	0	1
##	2436	EC3	EC3-8	C	2015-06-26	0	0	0	1	1
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	191	EH4	EH4-11	H	2015-05-26	1	0	0	0	1
##	350	EH4	EH4-11	H	2015-05-29	1	0	0	0	1
##	668	EH4	EH4-11	H	2015-06-03	0	0	0	0	0
##	1145	EH4	EH4-11	H	2015-06-09	0	0	0	0	0
##	1304	EH4	EH4-11	H	2015-06-11	0	0	0	0	0

##	1463	EH4	EH4-11	H	2015-06-13	0	0	0	0	0
##	1622	EH4	EH4-11	H	2015-06-15	0	0	0	0	0
##	1781	EH4	EH4-11	H	2015-06-17	0	0	0	0	0
##	1940	EH4	EH4-11	H	2015-06-19	0	0	0	0	0
##	2099	EH4	EH4-11	H	2015-06-21	0	0	0	0	0
##	2258	EH4	EH4-11	H	2015-06-23	0	0	0	0	0
##	2417	EH4	EH4-11	H	2015-06-26	0	0	0	0	0
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	24	EH4	EH4-3	H	2015-05-24	2	0	0	0	2
##	183	EH4	EH4-3	H	2015-05-26	2	0	0	0	2
##	342	EH4	EH4-3	H	2015-05-29	3	0	0	0	3
##	501	EH4	EH4-3	H	2015-06-01	2	0	0	0	2
##	660	EH4	EH4-3	H	2015-06-03	3	0	0	0	3
##	819	EH4	EH4-3	H	2015-06-05	2	1	0	0	3
##	978	EH4	EH4-3	H	2015-06-07	1	2	0	0	3
##	1137	EH4	EH4-3	H	2015-06-09	1	2	0	0	3
##	1296	EH4	EH4-3	H	2015-06-11	1	2	0	0	3
##	1455	EH4	EH4-3	H	2015-06-13	0	3	0	0	3
##	1614	EH4	EH4-3	H	2015-06-15	0	2	1	0	3
##	1773	EH4	EH4-3	H	2015-06-17	0	0	2	1	3
##	1932	EH4	EH4-3	H	2015-06-19	0	0	2	1	3
##	2091	EH4	EH4-3	H	2015-06-21	0	0	2	1	3
##	2250	EH4	EH4-3	H	2015-06-23	0	0	2	1	3
##	2409	EH4	EH4-3	H	2015-06-26	0	0	0	3	3
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	25	EH4	EH4-4	H	2015-05-24	1	0	0	0	1
##	184	EH4	EH4-4	H	2015-05-26	1	0	0	0	1
##	343	EH4	EH4-4	H	2015-05-29	1	0	0	0	1
##	502	EH4	EH4-4	H	2015-06-01	1	0	0	0	1
##	661	EH4	EH4-4	H	2015-06-03	2	0	0	0	2
##	820	EH4	EH4-4	H	2015-06-05	2	0	0	0	2
##	979	EH4	EH4-4	H	2015-06-07	2	0	0	0	2
##	1138	EH4	EH4-4	H	2015-06-09	0	1	0	0	1
##	1297	EH4	EH4-4	H	2015-06-11	0	1	0	0	1
##	1456	EH4	EH4-4	H	2015-06-13	0	1	0	0	1
##	1615	EH4	EH4-4	H	2015-06-15	0	1	0	0	1
##	1774	EH4	EH4-4	H	2015-06-17	0	0	1	0	1
##	1933	EH4	EH4-4	H	2015-06-19	0	0	1	0	1
##	2092	EH4	EH4-4	H	2015-06-21	0	0	0	1	1
##	2251	EH4	EH4-4	H	2015-06-23	0	0	1	0	1
##	2410	EH4	EH4-4	H	2015-06-26	0	0	0	1	1
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	26	EH4	EH4-5	H	2015-05-24	5	0	0	0	5
##	185	EH4	EH4-5	H	2015-05-26	3	1	0	0	4
##	344	EH4	EH4-5	H	2015-05-29	5	0	0	0	5
##	503	EH4	EH4-5	H	2015-06-01	3	1	0	0	4
##	662	EH4	EH4-5	H	2015-06-03	2	3	0	0	5
##	821	EH4	EH4-5	H	2015-06-05	2	3	0	0	5
##	980	EH4	EH4-5	H	2015-06-07	3	2	1	0	6
##	1139	EH4	EH4-5	H	2015-06-09	2	3	0	1	6
##	1298	EH4	EH4-5	H	2015-06-11	1	3	1	0	5
##	1457	EH4	EH4-5	H	2015-06-13	1	2	2	1	6
##	1616	EH4	EH4-5	H	2015-06-15	0	1	2	2	5
##	1775	EH4	EH4-5	H	2015-06-17	1	1	1	3	6



##	1934	EH4	EH4-5	H	2015-06-19	0	0	1	4	5
##	2093	EH4	EH4-5	H	2015-06-21	0	1	1	3	5
##	2252	EH4	EH4-5	H	2015-06-23	0	1	2	3	6
##	2411	EH4	EH4-5	H	2015-06-26	0	1	0	5	6
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	27	EH4	EH4-6	H	2015-05-24	2	0	0	0	2
##	186	EH4	EH4-6	H	2015-05-26	13	0	0	0	13
##	345	EH4	EH4-6	H	2015-05-29	9	0	0	0	9
##	504	EH4	EH4-6	H	2015-06-01	12	2	0	0	14
##	663	EH4	EH4-6	H	2015-06-03	14	3	0	0	17
##	822	EH4	EH4-6	H	2015-06-05	8	6	0	0	14
##	981	EH4	EH4-6	H	2015-06-07	15	5	0	0	20
##	1140	EH4	EH4-6	H	2015-06-09	7	10	0	0	17
##	1299	EH4	EH4-6	H	2015-06-11	3	10	2	0	15
##	1458	EH4	EH4-6	H	2015-06-13	2	7	7	0	16
##	1617	EH4	EH4-6	H	2015-06-15	2	2	10	0	14
##	1776	EH4	EH4-6	H	2015-06-17	1	1	9	3	14
##	1935	EH4	EH4-6	H	2015-06-19	0	0	6	7	13
##	2094	EH4	EH4-6	H	2015-06-21	0	0	4	10	14
##	2253	EH4	EH4-6	H	2015-06-23	1	0	5	9	15
##	2412	EH4	EH4-6	H	2015-06-26	0	0	0	11	11
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	28	EH4	EH4-7	H	2015-05-24	1	0	0	0	1
##	346	EH4	EH4-7	H	2015-05-29	1	0	0	0	1
##	505	EH4	EH4-7	H	2015-06-01	1	0	0	0	1
##	664	EH4	EH4-7	H	2015-06-03	0	1	0	0	1
##	823	EH4	EH4-7	H	2015-06-05	0	1	0	0	1
##	982	EH4	EH4-7	H	2015-06-07	0	1	0	0	1
##	1141	EH4	EH4-7	H	2015-06-09	0	1	0	0	1
##	1300	EH4	EH4-7	H	2015-06-11	0	1	0	0	1
##	1459	EH4	EH4-7	H	2015-06-13	0	1	0	0	1
##	1618	EH4	EH4-7	H	2015-06-15	0	1	0	0	1
##	1777	EH4	EH4-7	H	2015-06-17	0	0	1	0	1
##	1936	EH4	EH4-7	H	2015-06-19	0	0	1	0	1
##	2095	EH4	EH4-7	H	2015-06-21	0	0	1	0	1
##	2254	EH4	EH4-7	H	2015-06-23	0	0	1	0	1
##	2413	EH4	EH4-7	H	2015-06-26	0	0	0	1	1
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	188	EH4	EH4-8	H	2015-05-26	2	0	0	0	2
##	347	EH4	EH4-8	H	2015-05-29	3	0	0	0	3
##	506	EH4	EH4-8	H	2015-06-01	1	1	0	0	2
##	665	EH4	EH4-8	H	2015-06-03	2	1	0	0	3
##	824	EH4	EH4-8	H	2015-06-05	2	1	0	0	3
##	983	EH4	EH4-8	H	2015-06-07	2	2	0	0	4
##	1142	EH4	EH4-8	H	2015-06-09	2	2	0	0	4
##	1301	EH4	EH4-8	H	2015-06-11	0	4	0	0	4
##	1460	EH4	EH4-8	H	2015-06-13	0	3	1	0	4
##	1619	EH4	EH4-8	H	2015-06-15	0	3	1	0	4
##	1778	EH4	EH4-8	H	2015-06-17	0	1	3	0	4
##	1937	EH4	EH4-8	H	2015-06-19	0	0	2	2	4
##	2096	EH4	EH4-8	H	2015-06-21	0	0	2	2	4
##	2255	EH4	EH4-8	H	2015-06-23	0	0	2	2	4
##	2414	EH4	EH4-8	H	2015-06-26	0	0	0	3	3
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF

##	16	EHSR1	EHSR1-2	H	2015-05-24	8	1	0	0	9
##	175	EHSR1	EHSR1-2	H	2015-05-26	8	0	0	0	8
##	334	EHSR1	EHSR1-2	H	2015-05-29	5	4	0	0	9
##	493	EHSR1	EHSR1-2	H	2015-06-01	2	4	0	0	6
##	652	EHSR1	EHSR1-2	H	2015-06-03	2	5	0	0	7
##	811	EHSR1	EHSR1-2	H	2015-06-05	1	5	1	0	7
##	970	EHSR1	EHSR1-2	H	2015-06-07	1	5	1	0	7
##	1129	EHSR1	EHSR1-2	H	2015-06-09	0	3	2	2	7
##	1288	EHSR1	EHSR1-2	H	2015-06-11	0	3	3	1	7
##	1447	EHSR1	EHSR1-2	H	2015-06-13	0	0	3	4	7
##	1606	EHSR1	EHSR1-2	H	2015-06-15	0	0	2	5	7
##	1765	EHSR1	EHSR1-2	H	2015-06-17	0	0	0	7	7
##	1924	EHSR1	EHSR1-2	H	2015-06-19	0	0	0	7	7
##	2083	EHSR1	EHSR1-2	H	2015-06-21	0	0	0	7	7
##	2242	EHSR1	EHSR1-2	H	2015-06-23	0	0	0	7	7
##	2401	EHSR1	EHSR1-2	H	2015-06-26	0	0	0	7	7
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	18	EHSR1	EHSR1-4	H	2015-05-24	0	0	0	0	0
##	177	EHSR1	EHSR1-4	H	2015-05-26	0	0	0	0	0
##	336	EHSR1	EHSR1-4	H	2015-05-29	0	0	0	0	0
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	1	ESR2	ESR2-1	C	2015-05-24	1	0	0	0	1
##	160	ESR2	ESR2-1	C	2015-05-26	2	0	0	0	2
##	319	ESR2	ESR2-1	C	2015-05-29	1	0	0	0	1
##	478	ESR2	ESR2-1	C	2015-06-01	0	0	0	0	0
##	637	ESR2	ESR2-1	C	2015-06-03	0	0	0	0	0
##	796	ESR2	ESR2-1	C	2015-06-05	0	0	0	0	0
##	955	ESR2	ESR2-1	C	2015-06-07	0	0	0	0	0
##	1432	ESR2	ESR2-1	C	2015-06-13	0	0	0	0	0
##	1591	ESR2	ESR2-1	C	2015-06-15	0	0	0	0	0
##	1750	ESR2	ESR2-1	C	2015-06-17	0	0	0	0	0
##	1909	ESR2	ESR2-1	C	2015-06-19	0	0	0	0	0
##	2068	ESR2	ESR2-1	C	2015-06-21	0	0	0	0	0
##	2227	ESR2	ESR2-1	C	2015-06-23	0	0	0	0	0
##	2386	ESR2	ESR2-1	C	2015-06-26	0	0	0	0	0
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	2	ESR2	ESR2-2	C	2015-05-24	6	0	0	0	6
##	161	ESR2	ESR2-2	C	2015-05-26	5	0	0	0	5
##	320	ESR2	ESR2-2	C	2015-05-29	5	0	0	0	5
##	479	ESR2	ESR2-2	C	2015-06-01	3	0	0	0	3
##	638	ESR2	ESR2-2	C	2015-06-03	2	1	0	0	3
##	797	ESR2	ESR2-2	C	2015-06-05	2	1	0	0	3
##	956	ESR2	ESR2-2	C	2015-06-07	0	2	0	0	2
##	1115	ESR2	ESR2-2	C	2015-06-09	0	3	0	0	3
##	1274	ESR2	ESR2-2	C	2015-06-11	0	3	0	0	3
##	1433	ESR2	ESR2-2	C	2015-06-13	0	2	1	0	3
##	1592	ESR2	ESR2-2	C	2015-06-15	0	2	1	0	3
##	1751	ESR2	ESR2-2	C	2015-06-17	0	0	3	0	3
##	1910	ESR2	ESR2-2	C	2015-06-19	0	0	3	0	3
##	2069	ESR2	ESR2-2	C	2015-06-21	0	0	1	2	3
##	2228	ESR2	ESR2-2	C	2015-06-23	0	0	2	1	3
##	2387	ESR2	ESR2-2	C	2015-06-26	0	0	0	3	3
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	3	ESR2	ESR2-3	C	2015-05-24	0	0	0	0	0

##	162	ESR2	ESR2-3	C	2015-05-26	0	0	0	0	0
##	321	ESR2	ESR2-3	C	2015-05-29	0	0	0	0	0
##	480	ESR2	ESR2-3	C	2015-06-01	0	0	0	0	0
##	639	ESR2	ESR2-3	C	2015-06-03	0	0	0	0	0
##	798	ESR2	ESR2-3	C	2015-06-05	0	0	0	0	0
##	957	ESR2	ESR2-3	C	2015-06-07	0	0	0	0	0
##	1116	ESR2	ESR2-3	C	2015-06-09	0	0	0	0	0
##	1275	ESR2	ESR2-3	C	2015-06-11	0	0	0	0	0
##	1434	ESR2	ESR2-3	C	2015-06-13	0	0	0	0	0
##	1593	ESR2	ESR2-3	C	2015-06-15	0	0	0	0	0
##	1752	ESR2	ESR2-3	C	2015-06-17	0	0	0	0	0
##	1911	ESR2	ESR2-3	C	2015-06-19	0	0	0	0	0
##	2070	ESR2	ESR2-3	C	2015-06-21	0	0	0	0	0
##	2229	ESR2	ESR2-3	C	2015-06-23	0	0	0	0	0
##	2388	ESR2	ESR2-3	C	2015-06-26	0	0	0	0	0
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	4	ESR2	ESR2-4	C	2015-05-24	2	0	0	0	2
##	163	ESR2	ESR2-4	C	2015-05-26	2	0	0	0	2
##	322	ESR2	ESR2-4	C	2015-05-29	2	0	0	0	2
##	481	ESR2	ESR2-4	C	2015-06-01	2	1	0	0	3
##	640	ESR2	ESR2-4	C	2015-06-03	2	1	0	0	3
##	799	ESR2	ESR2-4	C	2015-06-05	1	2	0	0	3
##	958	ESR2	ESR2-4	C	2015-06-07	1	2	0	0	3
##	1117	ESR2	ESR2-4	C	2015-06-09	0	3	0	0	3
##	1276	ESR2	ESR2-4	C	2015-06-11	0	3	0	0	3
##	1435	ESR2	ESR2-4	C	2015-06-13	0	1	2	0	3
##	1594	ESR2	ESR2-4	C	2015-06-15	0	0	3	0	3
##	1753	ESR2	ESR2-4	C	2015-06-17	0	0	0	3	3
##	1912	ESR2	ESR2-4	C	2015-06-19	0	0	0	3	3
##	2071	ESR2	ESR2-4	C	2015-06-21	0	0	0	3	3
##	2230	ESR2	ESR2-4	C	2015-06-23	0	0	2	1	3
##	2389	ESR2	ESR2-4	C	2015-06-26	0	0	0	3	3
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	6	ESR2	ESR2-6	C	2015-05-24	2	0	0	0	2
##	165	ESR2	ESR2-6	C	2015-05-26	3	0	0	0	3
##	324	ESR2	ESR2-6	C	2015-05-29	3	0	0	0	3
##	483	ESR2	ESR2-6	C	2015-06-01	3	0	0	0	3
##	642	ESR2	ESR2-6	C	2015-06-03	3	1	0	0	4
##	801	ESR2	ESR2-6	C	2015-06-05	2	2	0	0	4
##	960	ESR2	ESR2-6	C	2015-06-07	2	2	0	0	4
##	1119	ESR2	ESR2-6	C	2015-06-09	1	2	0	0	3
##	1278	ESR2	ESR2-6	C	2015-06-11	1	3	0	0	4
##	1437	ESR2	ESR2-6	C	2015-06-13	0	1	2	0	3
##	1596	ESR2	ESR2-6	C	2015-06-15	0	1	2	0	3
##	1755	ESR2	ESR2-6	C	2015-06-17	0	0	1	2	3
##	1914	ESR2	ESR2-6	C	2015-06-19	0	0	1	2	3
##	2073	ESR2	ESR2-6	C	2015-06-21	0	0	1	2	3
##	2232	ESR2	ESR2-6	C	2015-06-23	0	0	1	2	3
##	2391	ESR2	ESR2-6	C	2015-06-26	0	0	0	3	3
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	8	ESR2	ESR2-8	C	2015-05-24	6	0	0	0	6
##	167	ESR2	ESR2-8	C	2015-05-26	12	1	0	0	13
##	326	ESR2	ESR2-8	C	2015-05-29	14	1	0	0	15
##	485	ESR2	ESR2-8	C	2015-06-01	10	3	0	0	13

##	644	ESR2	ESR2-8	C	2015-06-03	10	3	0	0	13
##	803	ESR2	ESR2-8	C	2015-06-05	6	5	0	0	11
##	962	ESR2	ESR2-8	C	2015-06-07	7	6	0	0	13
##	1121	ESR2	ESR2-8	C	2015-06-09	4	8	1	0	13
##	1280	ESR2	ESR2-8	C	2015-06-11	1	7	2	0	10
##	1439	ESR2	ESR2-8	C	2015-06-13	1	4	4	1	10
##	1598	ESR2	ESR2-8	C	2015-06-15	0	3	6	2	11
##	1757	ESR2	ESR2-8	C	2015-06-17	0	3	1	6	10
##	1916	ESR2	ESR2-8	C	2015-06-19	0	2	2	7	11
##	2075	ESR2	ESR2-8	C	2015-06-21	0	0	3	9	12
##	2234	ESR2	ESR2-8	C	2015-06-23	0	0	3	8	11
##	2393	ESR2	ESR2-8	C	2015-06-26	0	0	0	11	11
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	133	WC11	WC11-1	C	2015-05-24	1	0	0	0	1
##	292	WC11	WC11-1	C	2015-05-26	1	0	0	0	1
##	451	WC11	WC11-1	C	2015-05-29	1	0	0	0	1
##	610	WC11	WC11-1	C	2015-06-01	1	0	0	0	1
##	769	WC11	WC11-1	C	2015-06-03	2	0	0	0	2
##	928	WC11	WC11-1	C	2015-06-05	1	0	0	0	1
##	1087	WC11	WC11-1	C	2015-06-07	2	0	0	0	2
##	1246	WC11	WC11-1	C	2015-06-09	2	0	0	0	2
##	1405	WC11	WC11-1	C	2015-06-11	1	0	0	0	1
##	1564	WC11	WC11-1	C	2015-06-13	1	0	0	0	1
##	1723	WC11	WC11-1	C	2015-06-15	0	1	0	0	1
##	1882	WC11	WC11-1	C	2015-06-17	0	1	0	0	1
##	2041	WC11	WC11-1	C	2015-06-19	0	0	1	0	1
##	2200	WC11	WC11-1	C	2015-06-21	0	0	1	0	1
##	2359	WC11	WC11-1	C	2015-06-23	0	0	0	1	1
##	2518	WC11	WC11-1	C	2015-06-26	0	0	0	1	1
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	134	WC11	WC11-2	C	2015-05-24	1	0	0	0	1
##	293	WC11	WC11-2	C	2015-05-26	1	0	0	0	1
##	452	WC11	WC11-2	C	2015-05-29	1	0	0	0	1
##	611	WC11	WC11-2	C	2015-06-01	1	0	0	0	1
##	770	WC11	WC11-2	C	2015-06-03	0	0	0	0	0
##	1088	WC11	WC11-2	C	2015-06-07	0	0	0	0	0
##	1247	WC11	WC11-2	C	2015-06-09	0	0	0	0	0
##	1406	WC11	WC11-2	C	2015-06-11	0	0	0	0	0
##	1724	WC11	WC11-2	C	2015-06-15	0	0	0	0	0
##	1883	WC11	WC11-2	C	2015-06-17	0	0	0	0	0
##	2042	WC11	WC11-2	C	2015-06-19	0	0	0	0	0
##	2201	WC11	WC11-2	C	2015-06-21	0	0	0	0	0
##	2360	WC11	WC11-2	C	2015-06-23	0	0	0	0	0
##	2519	WC11	WC11-2	C	2015-06-26	0	0	0	0	0
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	135	WC11	WC11-3	C	2015-05-24	6	0	0	0	6
##	294	WC11	WC11-3	C	2015-05-26	7	0	0	0	7
##	453	WC11	WC11-3	C	2015-05-29	6	0	0	0	6
##	612	WC11	WC11-3	C	2015-06-01	3	0	0	0	3
##	771	WC11	WC11-3	C	2015-06-03	2	1	0	0	3
##	930	WC11	WC11-3	C	2015-06-05	1	2	0	0	3
##	1089	WC11	WC11-3	C	2015-06-07	0	3	0	0	3
##	1248	WC11	WC11-3	C	2015-06-09	0	3	0	0	3
##	1407	WC11	WC11-3	C	2015-06-11	0	3	0	0	3

##	1566	WC11	WC11-3	C	2015-06-13	0	3	0	0	3
##	1725	WC11	WC11-3	C	2015-06-15	0	1	2	0	3
##	1884	WC11	WC11-3	C	2015-06-17	0	0	2	1	3
##	2043	WC11	WC11-3	C	2015-06-19	0	0	2	1	3
##	2202	WC11	WC11-3	C	2015-06-21	0	0	1	2	3
##	2361	WC11	WC11-3	C	2015-06-23	0	0	0	3	3
##	2520	WC11	WC11-3	C	2015-06-26	0	0	0	3	3
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	136	WC11	WC11-4	C	2015-05-24	1	0	0	0	1
##	295	WC11	WC11-4	C	2015-05-26	1	0	0	0	1
##	454	WC11	WC11-4	C	2015-05-29	1	0	0	0	1
##	613	WC11	WC11-4	C	2015-06-01	1	0	0	0	1
##	772	WC11	WC11-4	C	2015-06-03	0	1	0	0	1
##	931	WC11	WC11-4	C	2015-06-05	0	1	0	0	1
##	1090	WC11	WC11-4	C	2015-06-07	0	1	0	0	1
##	1249	WC11	WC11-4	C	2015-06-09	0	1	0	0	1
##	1408	WC11	WC11-4	C	2015-06-11	0	1	0	0	1
##	1567	WC11	WC11-4	C	2015-06-13	0	0	1	0	1
##	1726	WC11	WC11-4	C	2015-06-15	0	0	1	0	1
##	1885	WC11	WC11-4	C	2015-06-17	0	0	0	1	1
##	2044	WC11	WC11-4	C	2015-06-19	0	0	0	1	1
##	2203	WC11	WC11-4	C	2015-06-21	0	0	0	1	1
##	2362	WC11	WC11-4	C	2015-06-23	0	0	0	1	1
##	2521	WC11	WC11-4	C	2015-06-26	0	0	0	1	1
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	139	WC11	WC11-7	C	2015-05-24	4	0	0	0	4
##	298	WC11	WC11-7	C	2015-05-26	4	0	0	0	4
##	457	WC11	WC11-7	C	2015-05-29	4	0	0	0	4
##	616	WC11	WC11-7	C	2015-06-01	3	0	0	0	3
##	775	WC11	WC11-7	C	2015-06-03	0	2	0	0	2
##	934	WC11	WC11-7	C	2015-06-05	0	2	0	0	2
##	1093	WC11	WC11-7	C	2015-06-07	0	2	0	0	2
##	1252	WC11	WC11-7	C	2015-06-09	0	2	0	0	2
##	1411	WC11	WC11-7	C	2015-06-11	0	2	0	0	2
##	1570	WC11	WC11-7	C	2015-06-13	0	2	0	0	2
##	1729	WC11	WC11-7	C	2015-06-15	0	0	2	0	2
##	1888	WC11	WC11-7	C	2015-06-17	0	0	2	0	2
##	2047	WC11	WC11-7	C	2015-06-19	0	0	0	2	2
##	2206	WC11	WC11-7	C	2015-06-21	0	0	0	2	2
##	2365	WC11	WC11-7	C	2015-06-23	0	0	0	2	2
##	2524	WC11	WC11-7	C	2015-06-26	0	0	0	2	2
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	108	WHSR9	WHSR9-1	H	2015-05-24	2	0	0	0	2
##	267	WHSR9	WHSR9-1	H	2015-05-26	2	0	0	0	2
##	426	WHSR9	WHSR9-1	H	2015-05-29	2	0	0	0	2
##	585	WHSR9	WHSR9-1	H	2015-06-01	1	1	0	0	2
##	744	WHSR9	WHSR9-1	H	2015-06-03	1	1	0	0	2
##	903	WHSR9	WHSR9-1	H	2015-06-05	0	2	0	0	2
##	1062	WHSR9	WHSR9-1	H	2015-06-07	0	2	0	0	2
##	1221	WHSR9	WHSR9-1	H	2015-06-09	0	2	0	0	2
##	1380	WHSR9	WHSR9-1	H	2015-06-11	0	2	0	0	2
##	1539	WHSR9	WHSR9-1	H	2015-06-13	0	1	1	0	2
##	1698	WHSR9	WHSR9-1	H	2015-06-15	0	1	0	1	2
##	1857	WHSR9	WHSR9-1	H	2015-06-17	0	0	1	1	2

##	2016	WHSR9	WHSR9-1	H	2015-06-19	0	0	1	1	2
##	2175	WHSR9	WHSR9-1	H	2015-06-21	0	0	0	2	2
##	2334	WHSR9	WHSR9-1	H	2015-06-23	0	0	0	2	2
##	2493	WHSR9	WHSR9-1	H	2015-06-26	0	0	0	2	2
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	109	WHSR9	WHSR9-2	H	2015-05-24	3	0	0	0	3
##	268	WHSR9	WHSR9-2	H	2015-05-26	2	0	0	0	2
##	427	WHSR9	WHSR9-2	H	2015-05-29	2	0	0	0	2
##	586	WHSR9	WHSR9-2	H	2015-06-01	1	1	0	0	2
##	745	WHSR9	WHSR9-2	H	2015-06-03	0	2	0	0	2
##	904	WHSR9	WHSR9-2	H	2015-06-05	0	2	0	0	2
##	1063	WHSR9	WHSR9-2	H	2015-06-07	0	2	0	0	2
##	1222	WHSR9	WHSR9-2	H	2015-06-09	0	2	0	0	2
##	1381	WHSR9	WHSR9-2	H	2015-06-11	0	2	0	0	2
##	1540	WHSR9	WHSR9-2	H	2015-06-13	0	2	0	0	2
##	1699	WHSR9	WHSR9-2	H	2015-06-15	0	0	2	0	2
##	1858	WHSR9	WHSR9-2	H	2015-06-17	0	0	2	0	2
##	2017	WHSR9	WHSR9-2	H	2015-06-19	0	0	1	1	2
##	2176	WHSR9	WHSR9-2	H	2015-06-21	0	0	1	1	2
##	2335	WHSR9	WHSR9-2	H	2015-06-23	0	0	0	2	2
##	2494	WHSR9	WHSR9-2	H	2015-06-26	0	0	0	2	2
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	110	WHSR9	WHSR9-3	H	2015-05-24	14	0	0	0	14
##	269	WHSR9	WHSR9-3	H	2015-05-26	17	0	0	0	17
##	428	WHSR9	WHSR9-3	H	2015-05-29	14	0	0	0	14
##	587	WHSR9	WHSR9-3	H	2015-06-01	18	0	0	0	18
##	746	WHSR9	WHSR9-3	H	2015-06-03	14	3	0	0	17
##	905	WHSR9	WHSR9-3	H	2015-06-05	10	7	0	0	17
##	1064	WHSR9	WHSR9-3	H	2015-06-07	9	8	0	0	17
##	1223	WHSR9	WHSR9-3	H	2015-06-09	8	12	0	0	20
##	1382	WHSR9	WHSR9-3	H	2015-06-11	2	15	0	0	17
##	1541	WHSR9	WHSR9-3	H	2015-06-13	2	14	2	0	18
##	1700	WHSR9	WHSR9-3	H	2015-06-15	3	15	0	0	18
##	1859	WHSR9	WHSR9-3	H	2015-06-17	2	3	13	0	18
##	2018	WHSR9	WHSR9-3	H	2015-06-19	0	0	18	0	18
##	2177	WHSR9	WHSR9-3	H	2015-06-21	0	0	17	0	17
##	2336	WHSR9	WHSR9-3	H	2015-06-23	0	0	4	11	15
##	2495	WHSR9	WHSR9-3	H	2015-06-26	0	0	0	17	17
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	116	WHSR9	WHSR9-4	H	2015-05-24	1	0	0	0	1
##	275	WHSR9	WHSR9-4	H	2015-05-26	2	0	0	0	2
##	434	WHSR9	WHSR9-4	H	2015-05-29	2	0	0	0	2
##	593	WHSR9	WHSR9-4	H	2015-06-01	1	0	0	0	1
##	752	WHSR9	WHSR9-4	H	2015-06-03	1	1	0	0	2
##	911	WHSR9	WHSR9-4	H	2015-06-05	1	1	0	0	2
##	1070	WHSR9	WHSR9-4	H	2015-06-07	1	1	0	0	2
##	1229	WHSR9	WHSR9-4	H	2015-06-09	1	1	0	0	2
##	1388	WHSR9	WHSR9-4	H	2015-06-11	0	2	0	0	2
##	1547	WHSR9	WHSR9-4	H	2015-06-13	0	2	0	0	2
##	1706	WHSR9	WHSR9-4	H	2015-06-15	0	2	0	0	2
##	1865	WHSR9	WHSR9-4	H	2015-06-17	0	1	1	0	2
##	2024	WHSR9	WHSR9-4	H	2015-06-19	0	0	2	0	2
##	2183	WHSR9	WHSR9-4	H	2015-06-21	0	0	2	0	2
##	2342	WHSR9	WHSR9-4	H	2015-06-23	0	0	0	2	2

##	2501	WHSR9	WHSR9-4	H	2015-06-26	0	0	0	2	2
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	112	WSR10	WSR10-1	C	2015-05-24	5	0	0	0	5
##	271	WSR10	WSR10-1	C	2015-05-26	4	0	0	0	4
##	430	WSR10	WSR10-1	C	2015-05-29	3	0	0	0	3
##	589	WSR10	WSR10-1	C	2015-06-01	0	2	0	0	2
##	748	WSR10	WSR10-1	C	2015-06-03	0	2	0	0	2
##	907	WSR10	WSR10-1	C	2015-06-05	0	2	0	0	2
##	1066	WSR10	WSR10-1	C	2015-06-07	0	2	0	0	2
##	1225	WSR10	WSR10-1	C	2015-06-09	0	0	2	0	2
##	1384	WSR10	WSR10-1	C	2015-06-11	0	0	2	0	2
##	1543	WSR10	WSR10-1	C	2015-06-13	0	0	1	1	2
##	1702	WSR10	WSR10-1	C	2015-06-15	0	0	1	1	2
##	1861	WSR10	WSR10-1	C	2015-06-17	0	0	0	2	2
##	2020	WSR10	WSR10-1	C	2015-06-19	0	0	0	2	2
##	2179	WSR10	WSR10-1	C	2015-06-21	0	0	0	2	2
##	2338	WSR10	WSR10-1	C	2015-06-23	0	0	0	2	2
##	2497	WSR10	WSR10-1	C	2015-06-26	0	0	0	2	2
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	103	WSR10	WSR10-7	C	2015-05-24	7	0	0	0	7
##	262	WSR10	WSR10-7	C	2015-05-26	2	0	0	0	2
##	421	WSR10	WSR10-7	C	2015-05-29	5	0	0	0	5
##	580	WSR10	WSR10-7	C	2015-06-01	1	1	0	0	2
##	739	WSR10	WSR10-7	C	2015-06-03	0	1	0	0	1
##	898	WSR10	WSR10-7	C	2015-06-05	0	1	0	0	1
##	1057	WSR10	WSR10-7	C	2015-06-07	0	1	0	0	1
##	1216	WSR10	WSR10-7	C	2015-06-09	0	1	0	0	1
##	1375	WSR10	WSR10-7	C	2015-06-11	0	0	1	0	1
##	1534	WSR10	WSR10-7	C	2015-06-13	0	0	1	0	1
##	1693	WSR10	WSR10-7	C	2015-06-15	0	0	1	0	1
##	1852	WSR10	WSR10-7	C	2015-06-17	0	0	0	1	1
##	2011	WSR10	WSR10-7	C	2015-06-19	0	0	0	1	1
##	2170	WSR10	WSR10-7	C	2015-06-21	0	0	0	1	1
##	2329	WSR10	WSR10-7	C	2015-06-23	0	0	0	1	1
##	2488	WSR10	WSR10-7	C	2015-06-26	0	0	0	1	1
##		plot	plantid	treatment	date	BD	FF	SG	SD	TF
##	105	WSR10	WSR10-9	C	2015-05-24	3	0	0	0	3
##	264	WSR10	WSR10-9	C	2015-05-26	2	1	0	0	3
##	423	WSR10	WSR10-9	C	2015-05-29	2	1	0	0	3
##	582	WSR10	WSR10-9	C	2015-06-01	0	2	0	0	2
##	741	WSR10	WSR10-9	C	2015-06-03	0	2	0	0	2
##	900	WSR10	WSR10-9	C	2015-06-05	0	2	0	0	2
##	1059	WSR10	WSR10-9	C	2015-06-07	0	2	0	0	2
##	1218	WSR10	WSR10-9	C	2015-06-09	0	2	0	0	2
##	1377	WSR10	WSR10-9	C	2015-06-11	0	1	1	0	2
##	1536	WSR10	WSR10-9	C	2015-06-13	0	0	2	0	2
##	1695	WSR10	WSR10-9	C	2015-06-15	0	0	2	0	2
##	1854	WSR10	WSR10-9	C	2015-06-17	0	0	0	2	2
##	2013	WSR10	WSR10-9	C	2015-06-19	0	0	0	2	2
##	2172	WSR10	WSR10-9	C	2015-06-21	0	0	0	2	2
##	2331	WSR10	WSR10-9	C	2015-06-23	0	0	0	2	2
##	2490	WSR10	WSR10-9	C	2015-06-26	0	0	0	2	2