

Water-limited production

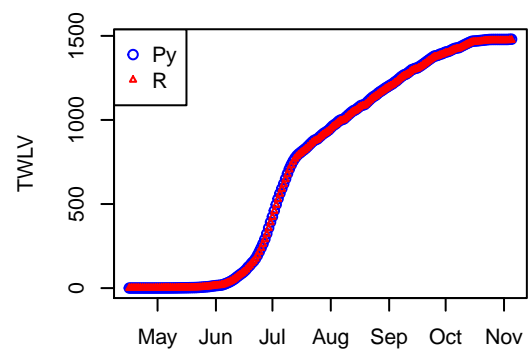
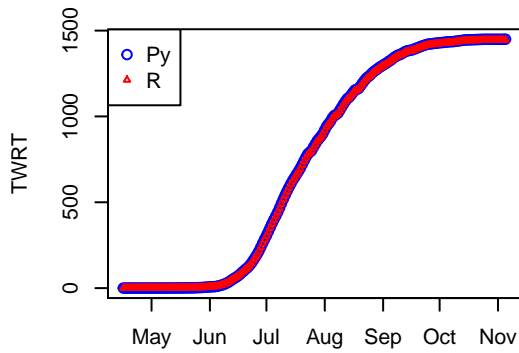
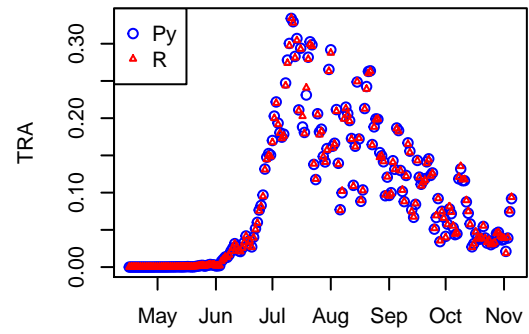
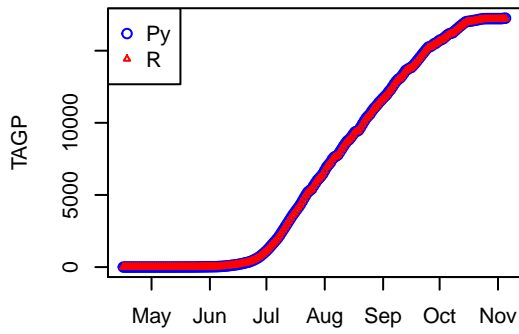
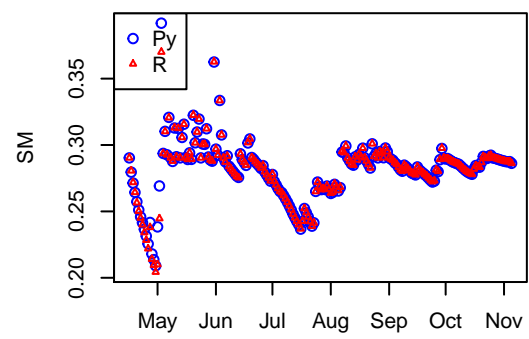
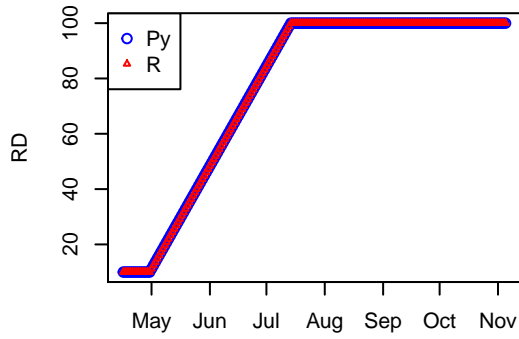
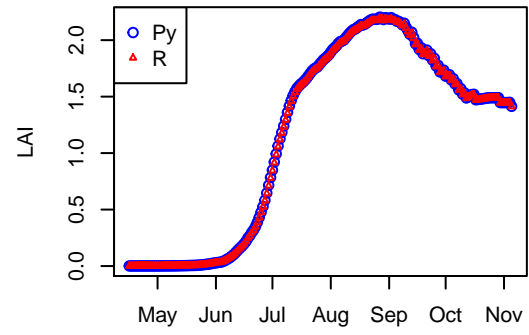
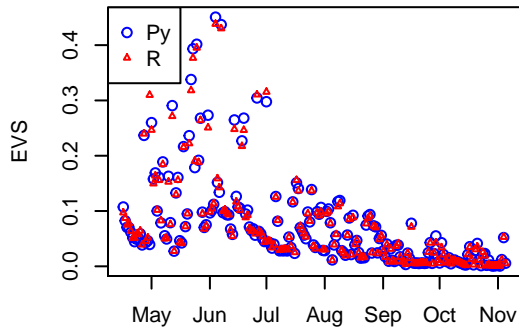
2/27/2020

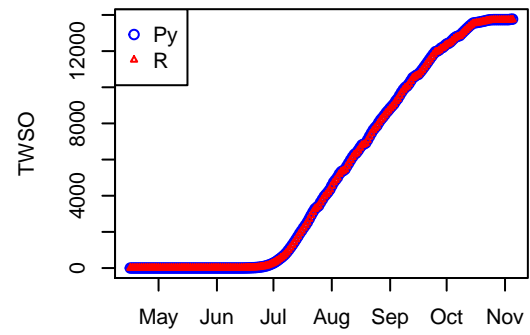
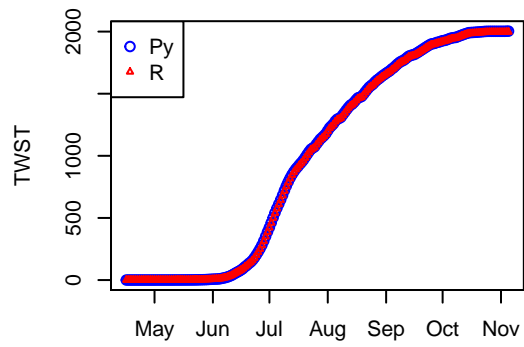
R code

```
library(Rwofost)
source("pcse_tests.R")

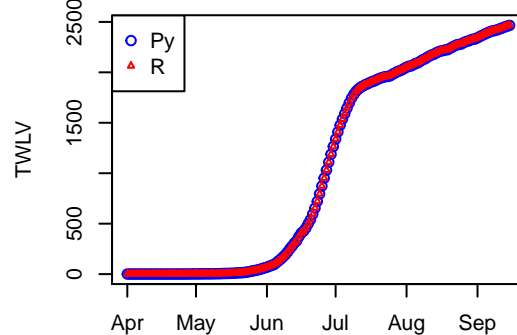
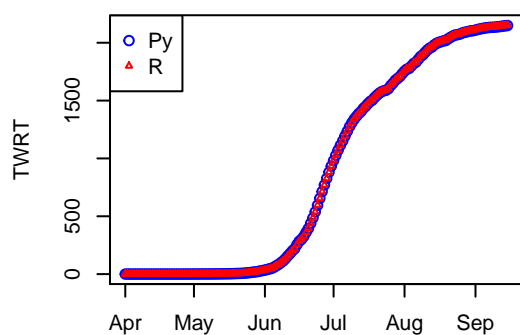
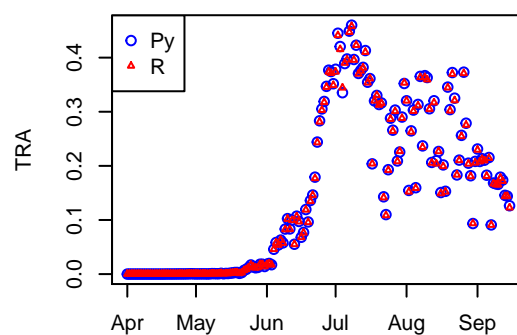
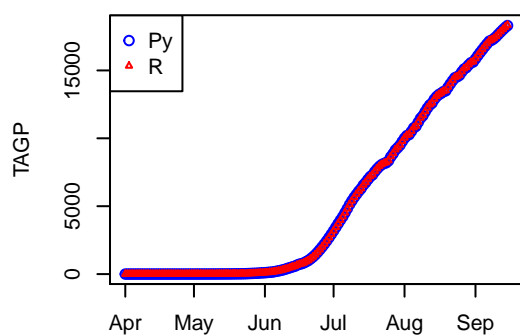
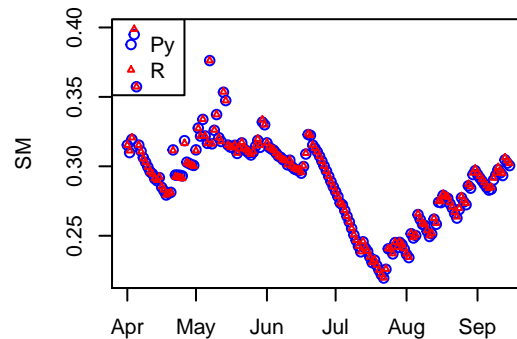
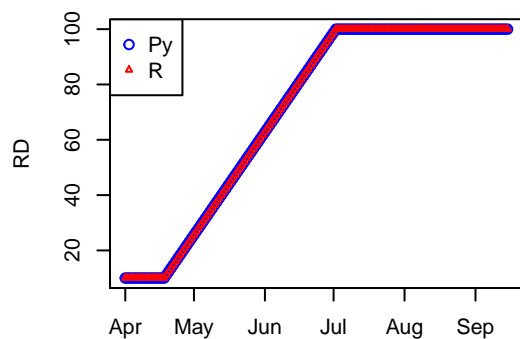
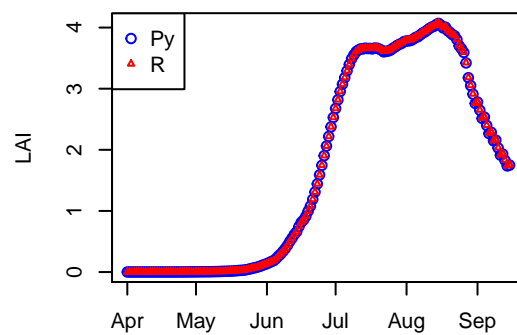
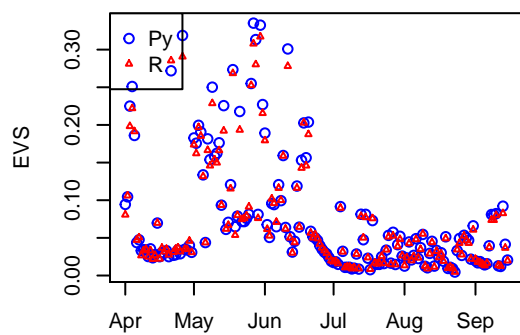
ydir <- "C:/github/cropmodels/Rwofost_test/test_data/"
group <- "waterlimitedproduction"

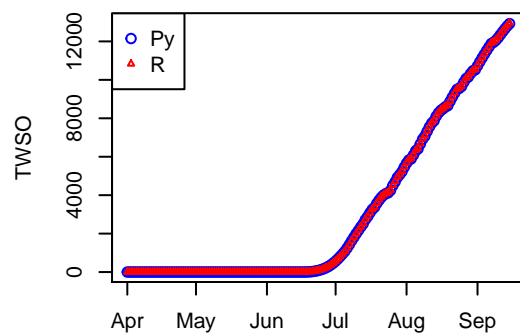
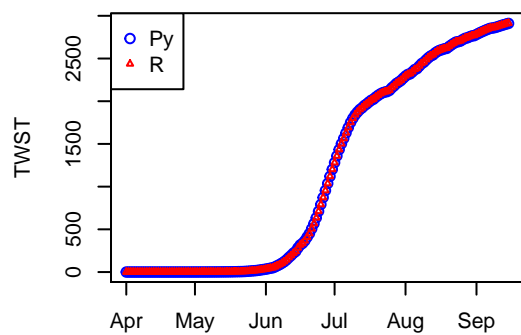
for (i in 1:44) {
  x <- getPR(ydir, group, i)
  if (is.null(x)) next # skipping vernalization cases
  par(mfrow=c(4,2), mai=c(.5,.75,.1,.1))
  for (v in colnames(x$P)[-c(1,2)]) complot(x, v)
  print(paste(group, i))
}
```



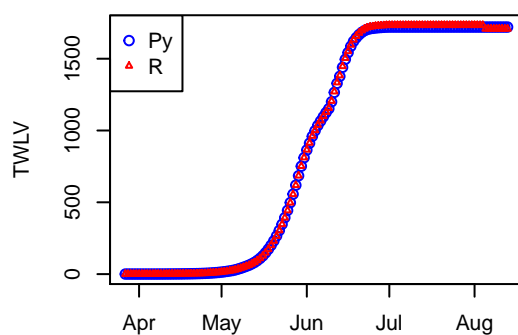
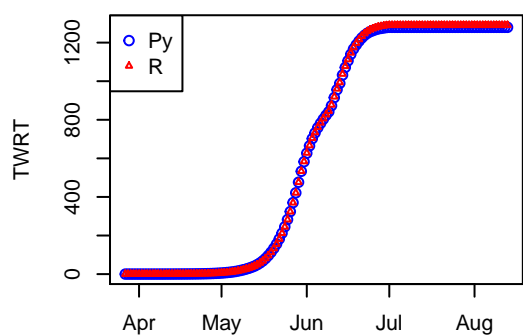
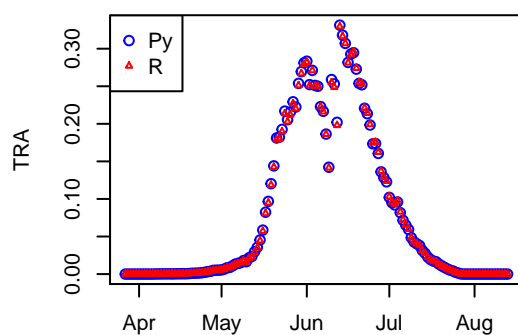
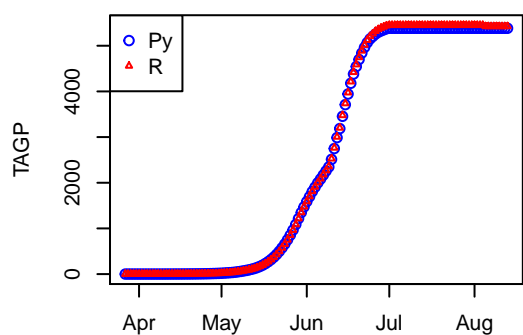
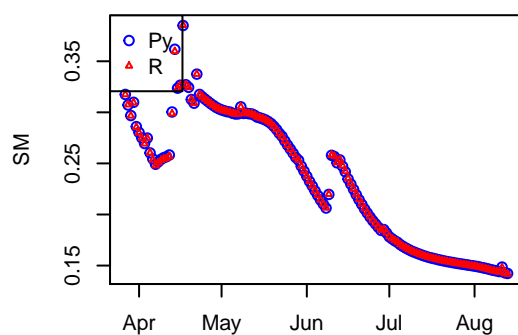
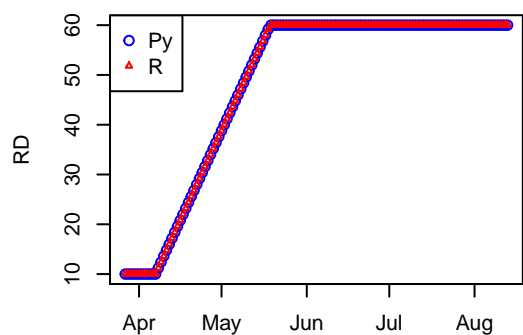
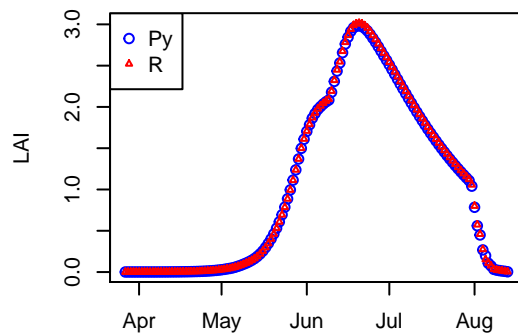
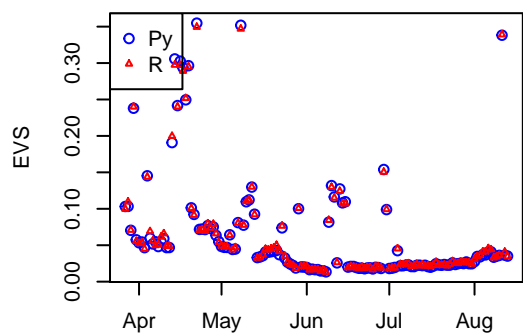


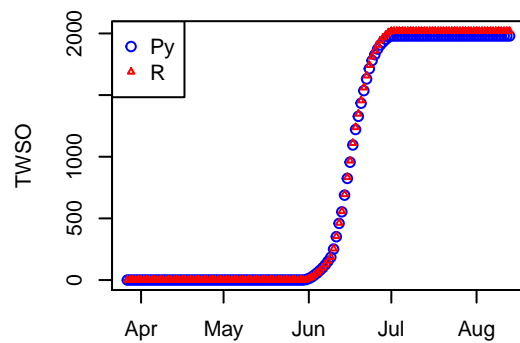
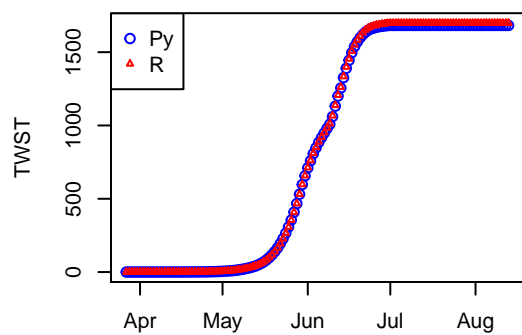
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## [1] "waterlimitedproduction 1"
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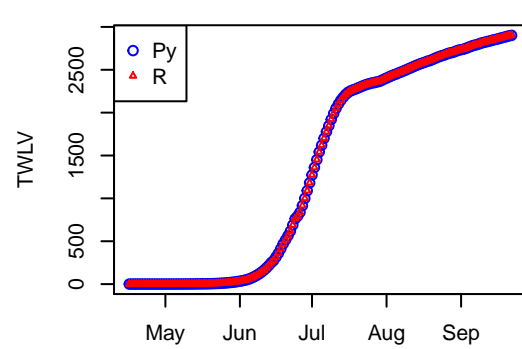
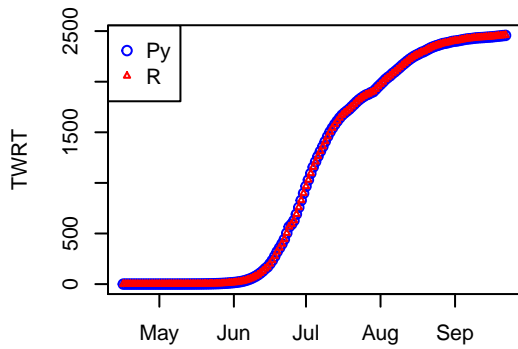
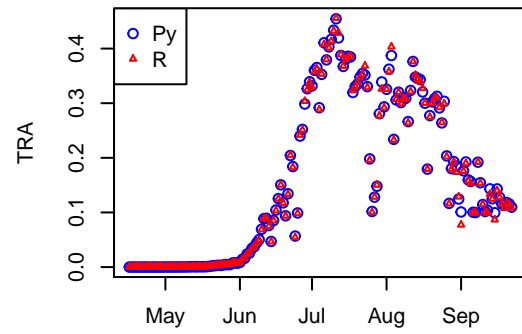
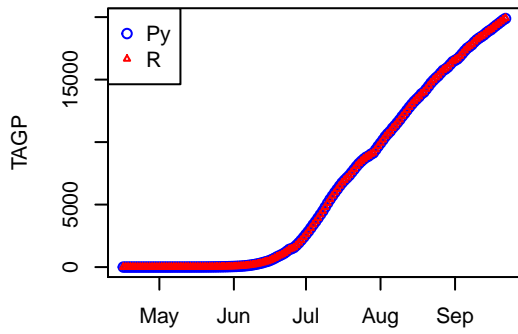
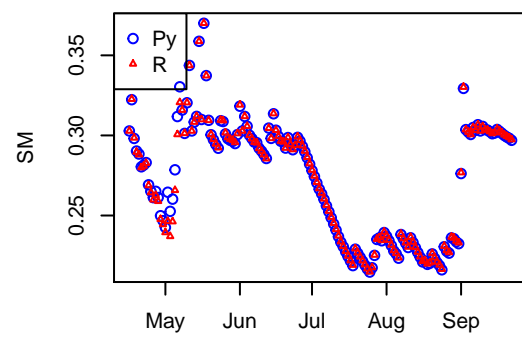
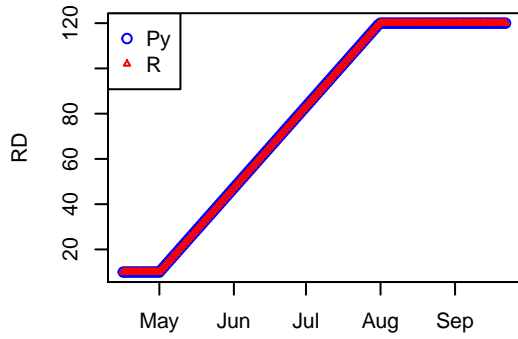
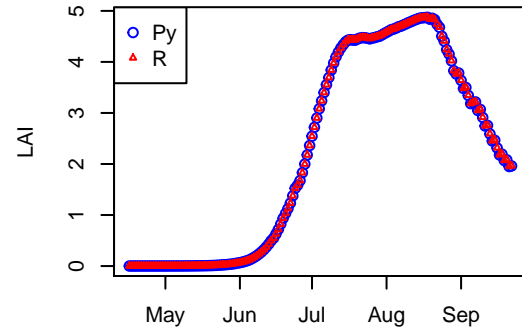
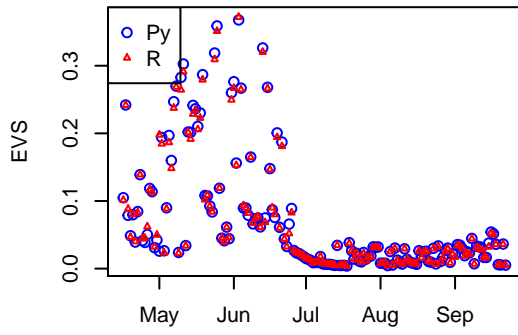


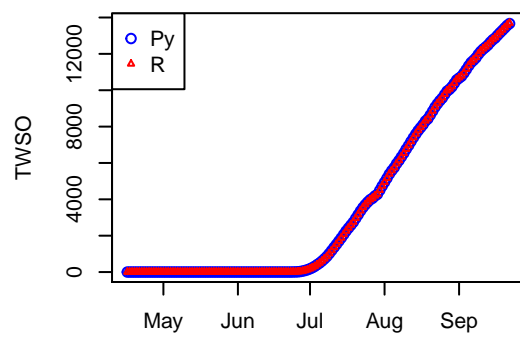
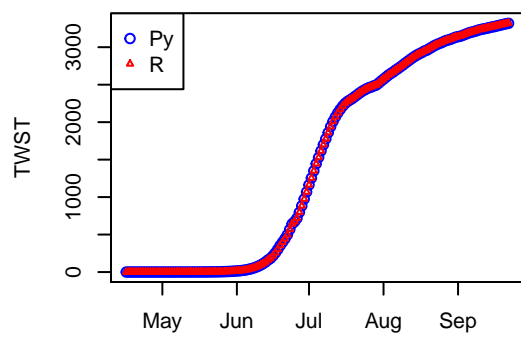
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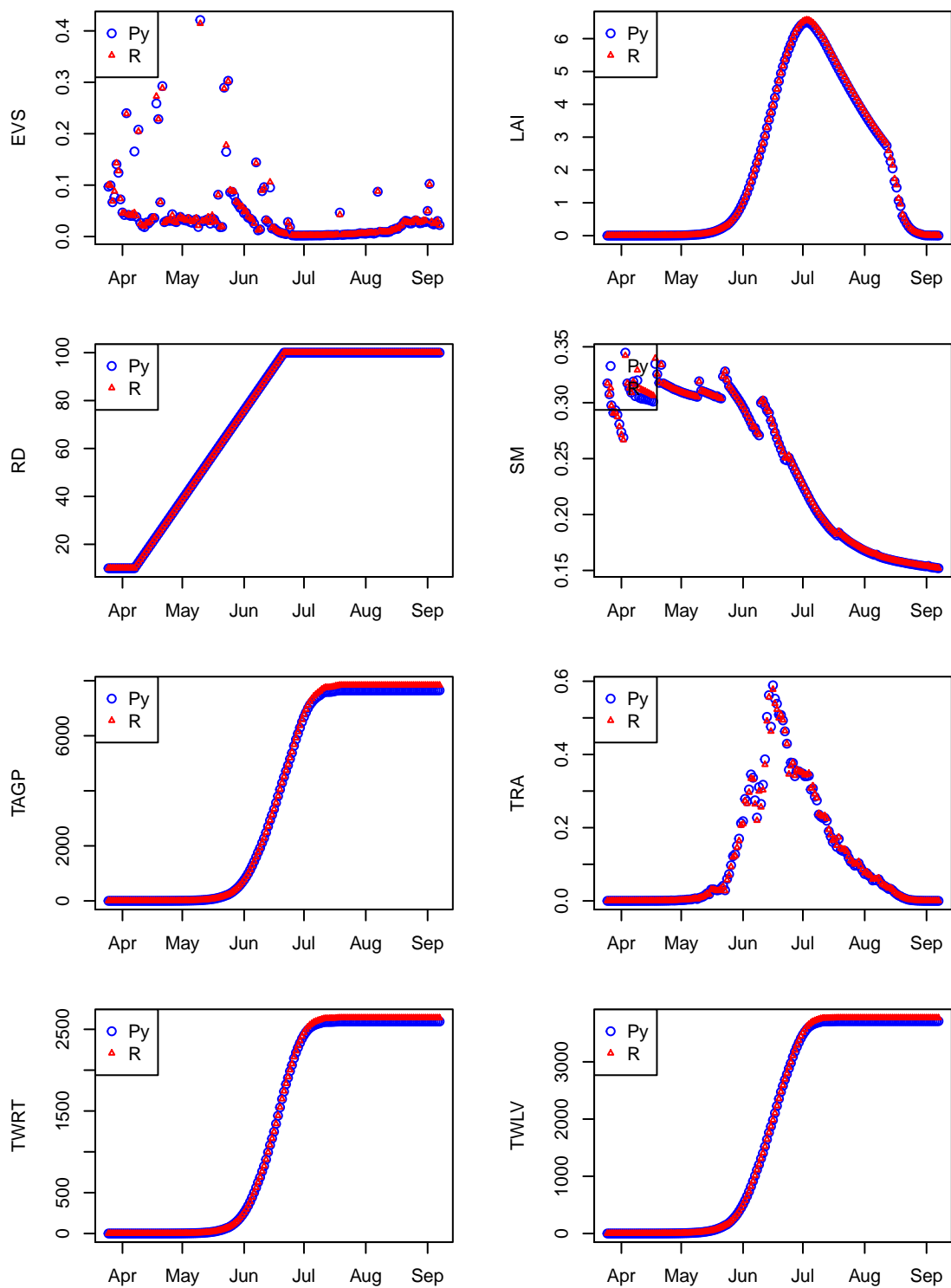


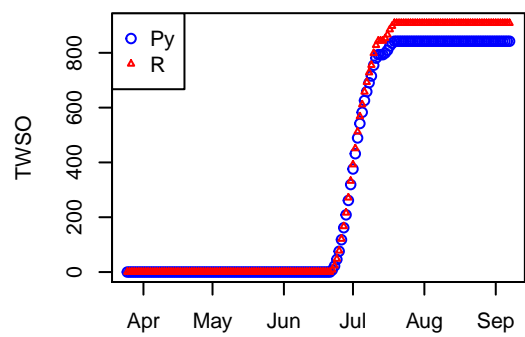
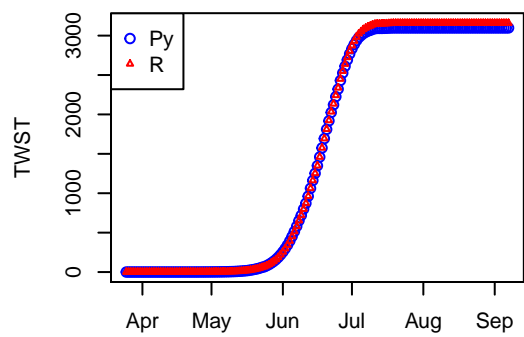
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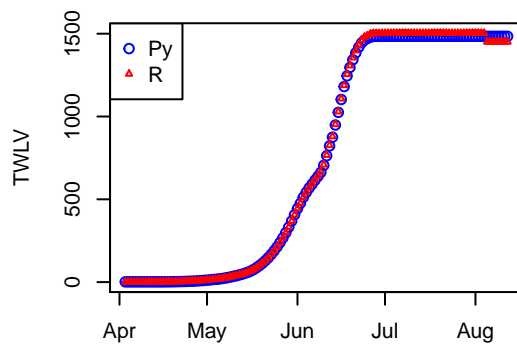
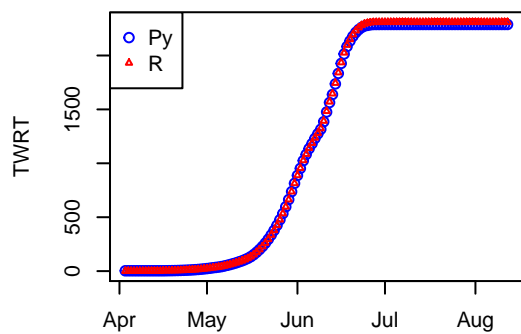
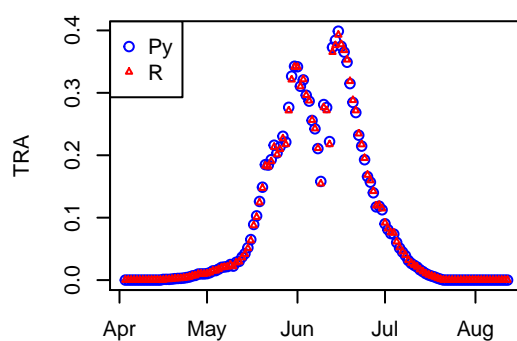
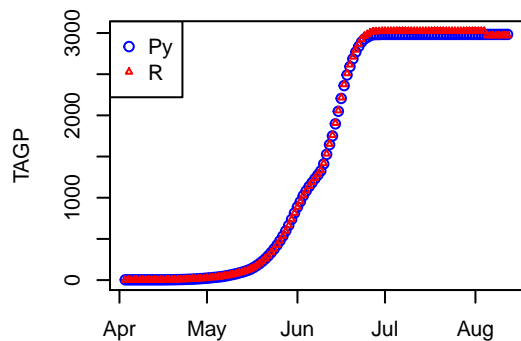
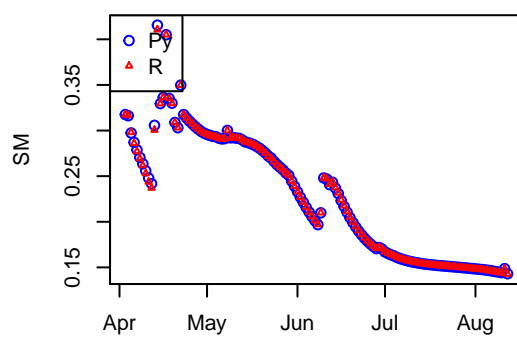
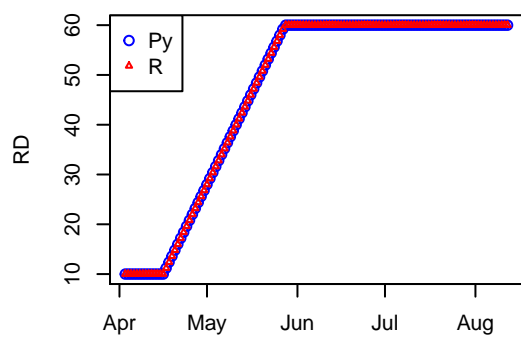
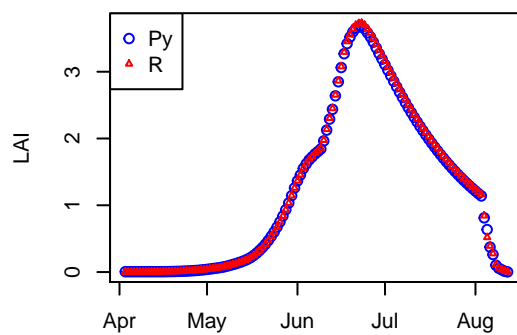
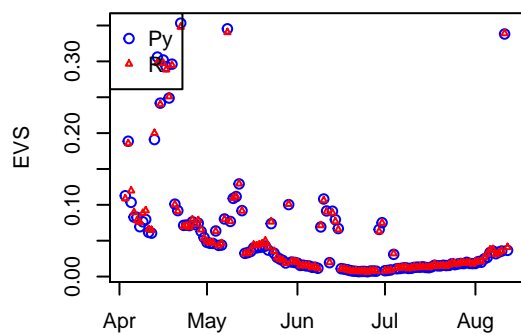


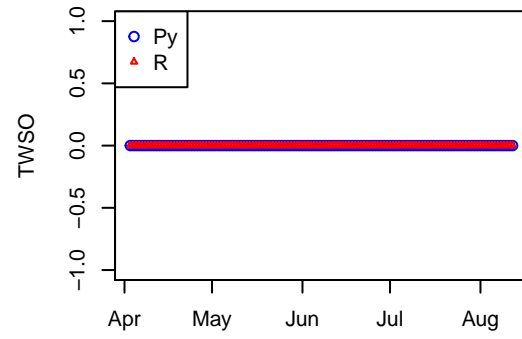
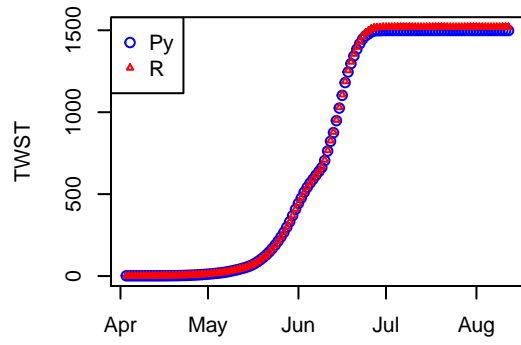
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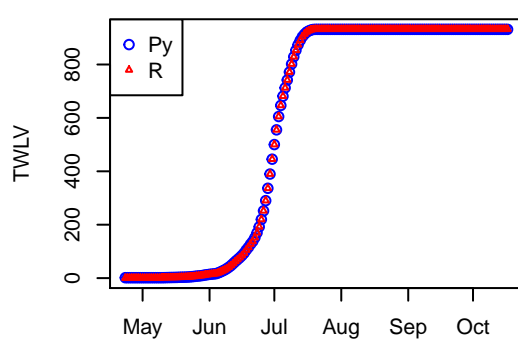
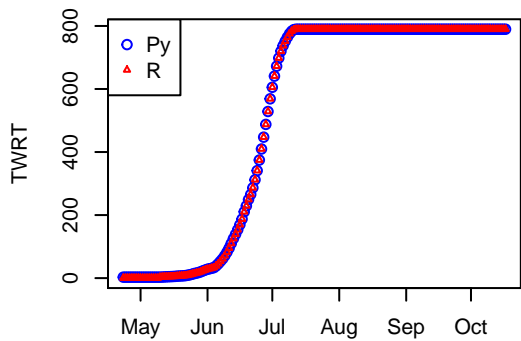
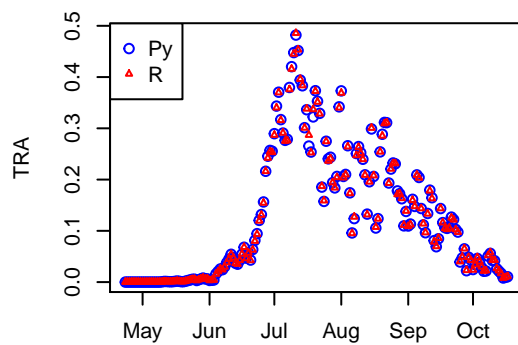
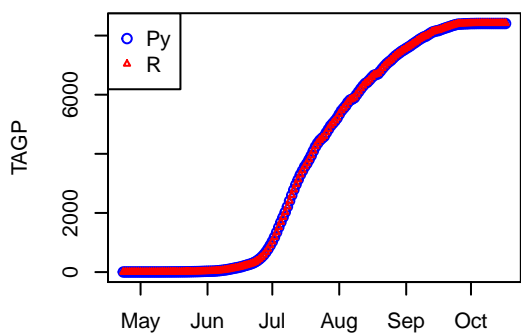
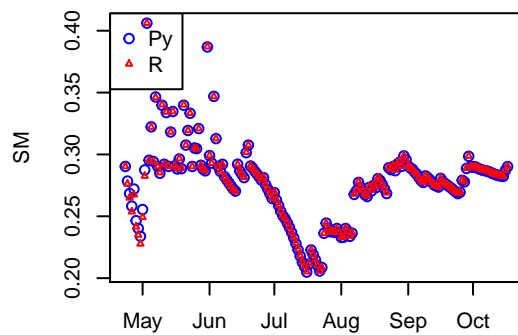
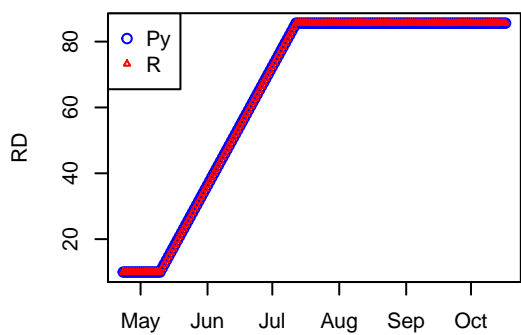
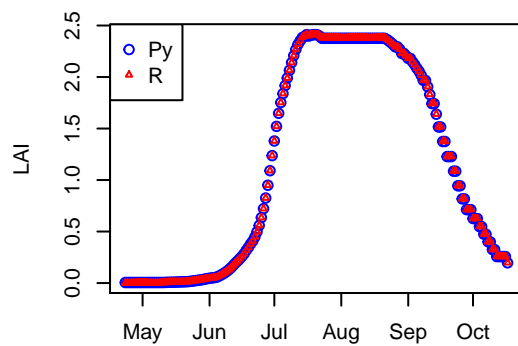
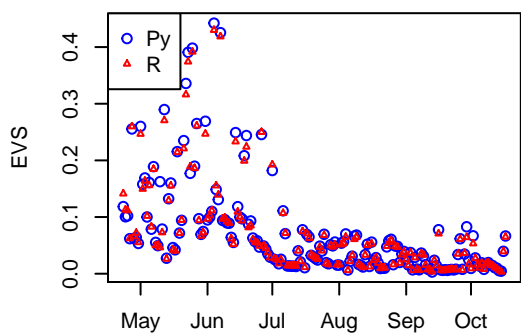


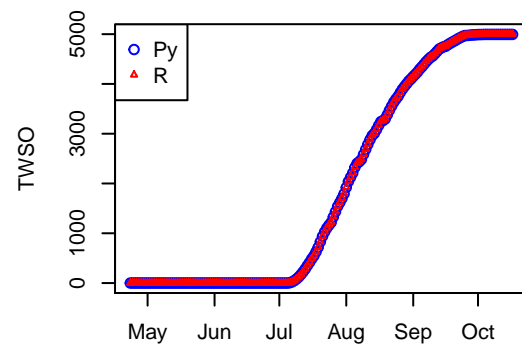
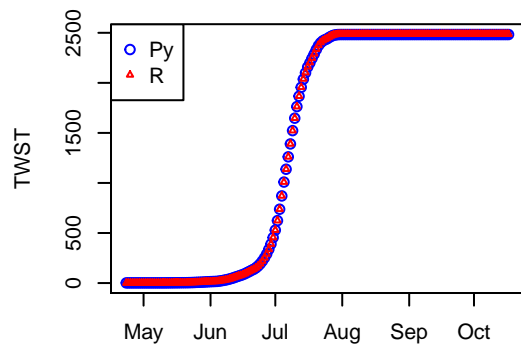
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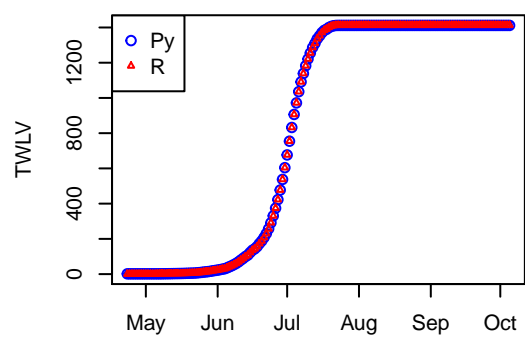
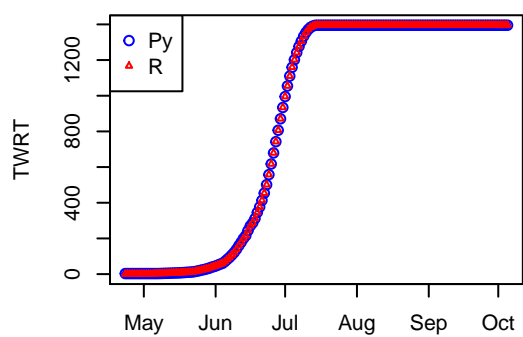
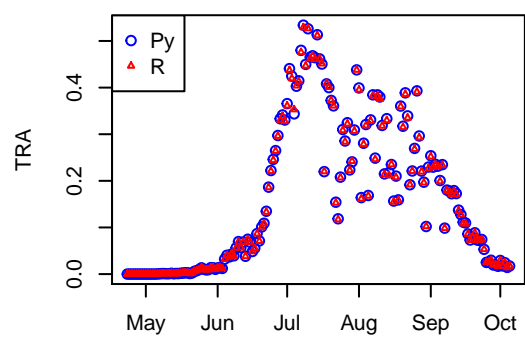
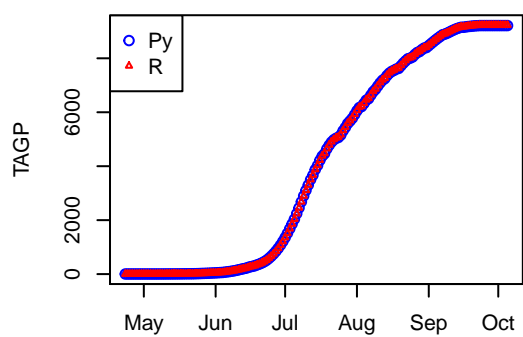
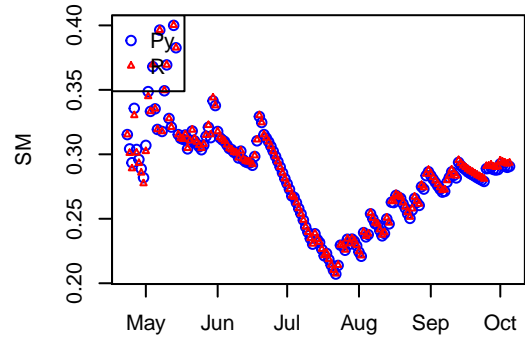
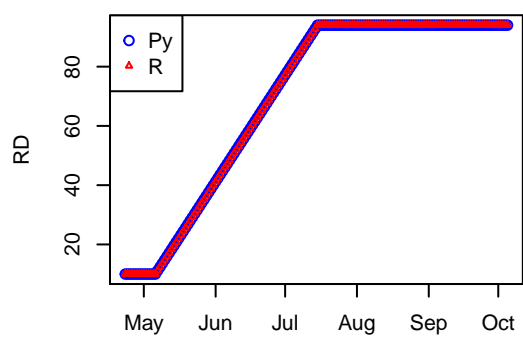
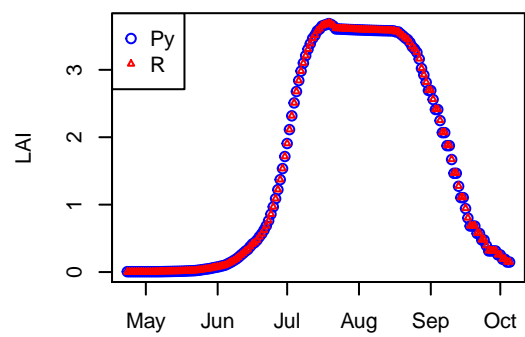
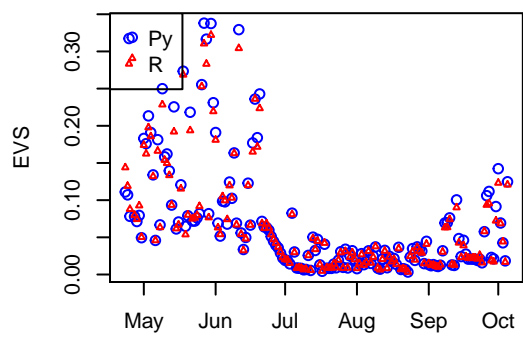


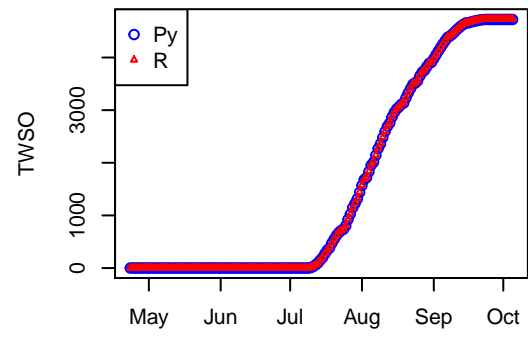
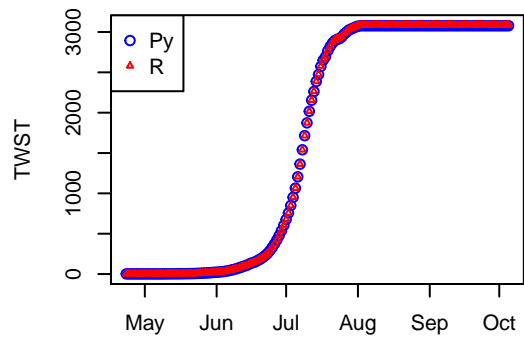
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## [1] "waterlimitedproduction 6"
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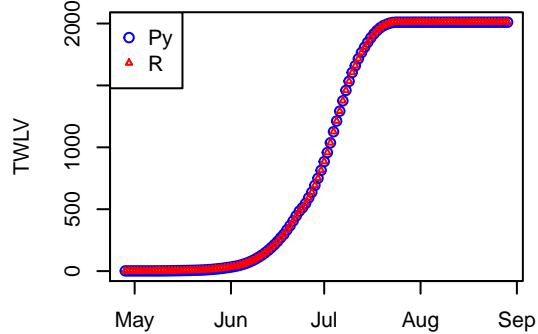
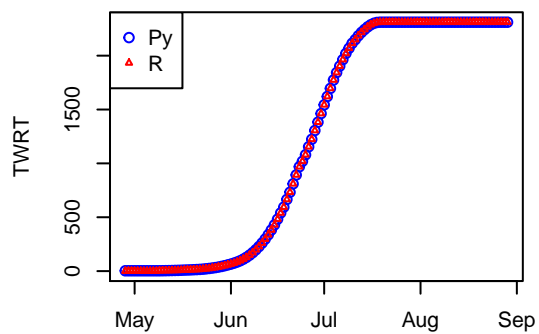
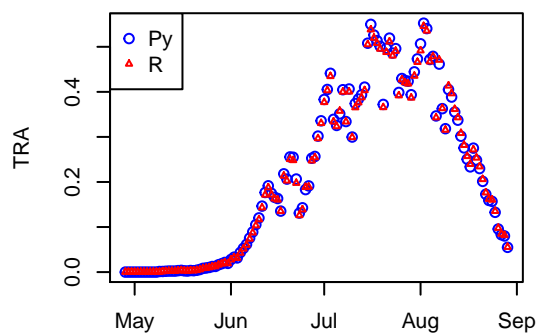
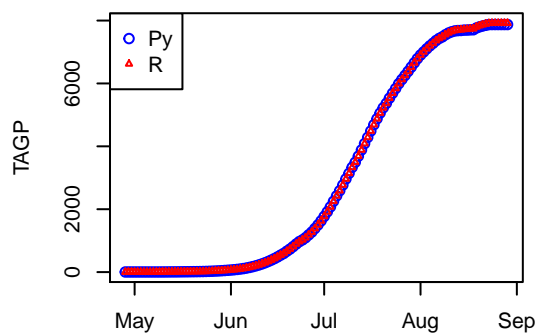
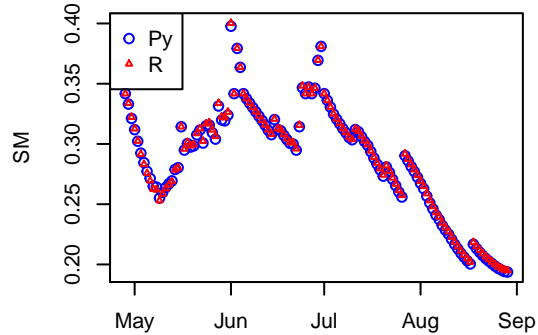
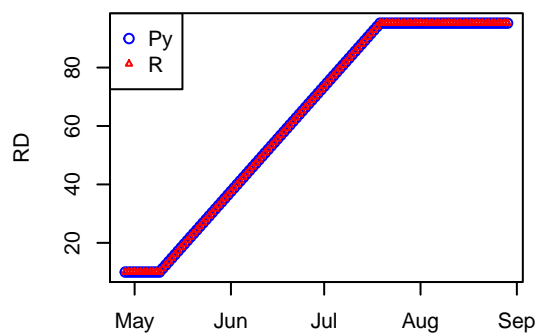
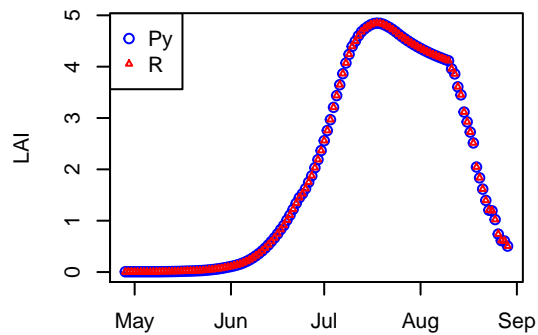
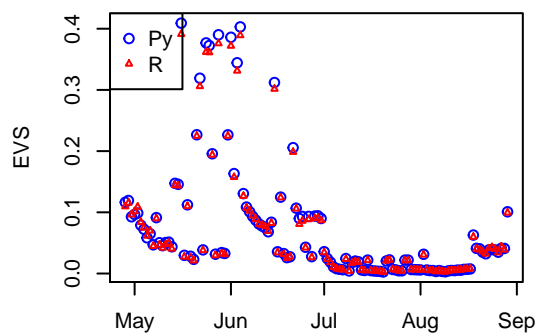


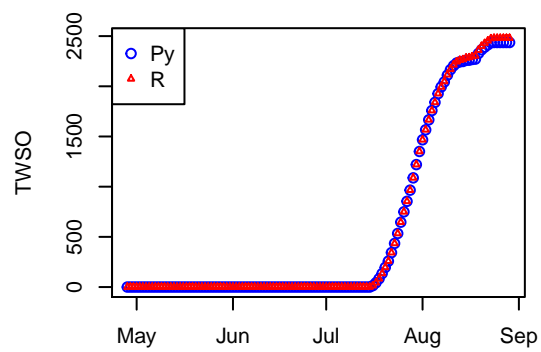
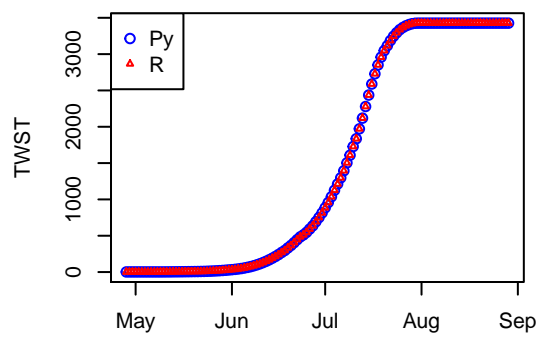
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## [1] "waterlimitedproduction 7"
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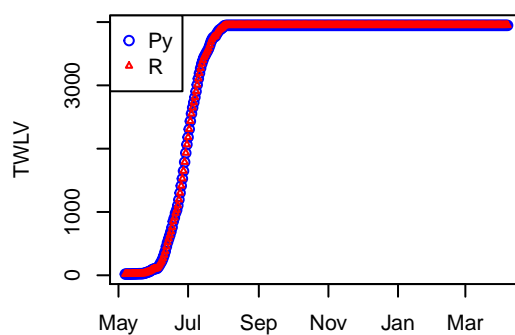
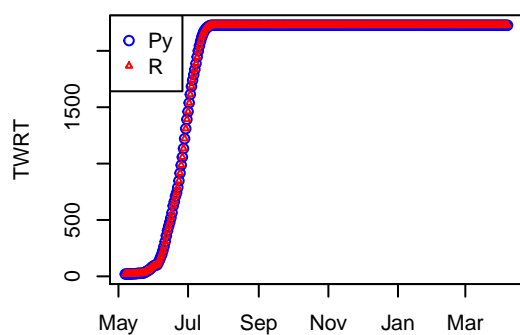
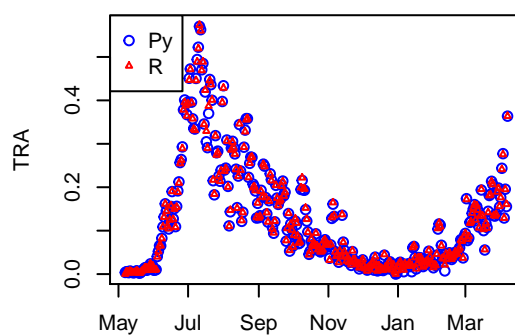
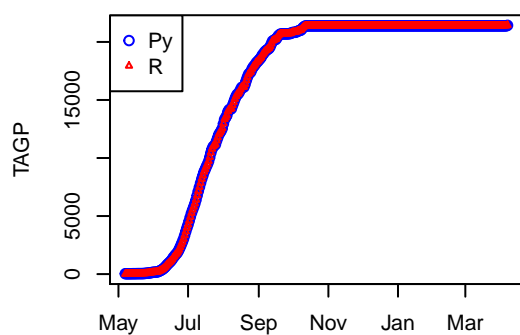
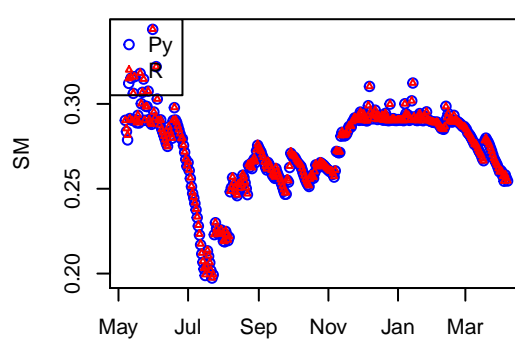
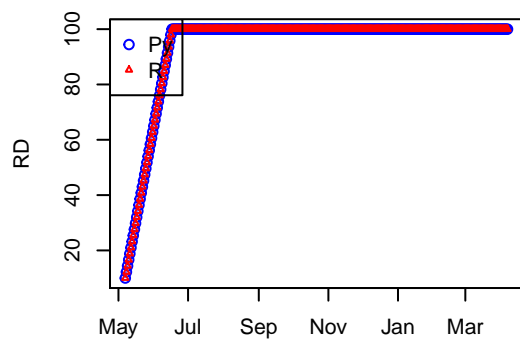
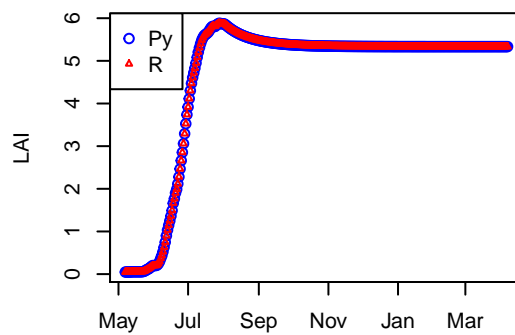
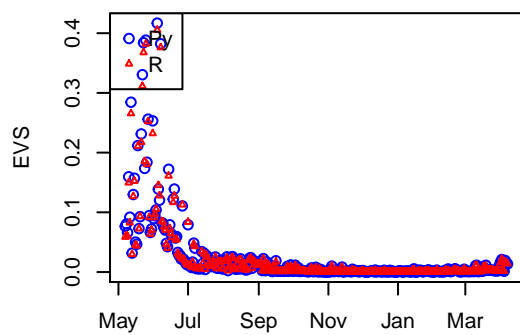


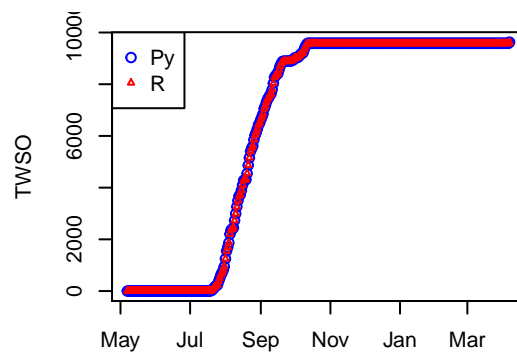
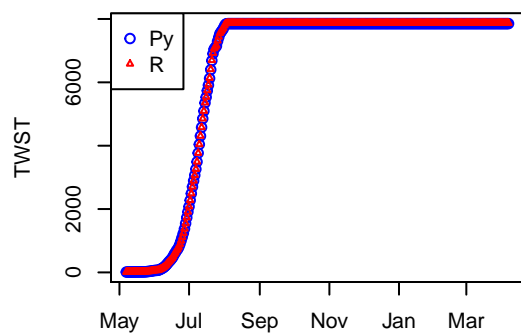
```
## [1] "waterlimitedproduction 8"
```



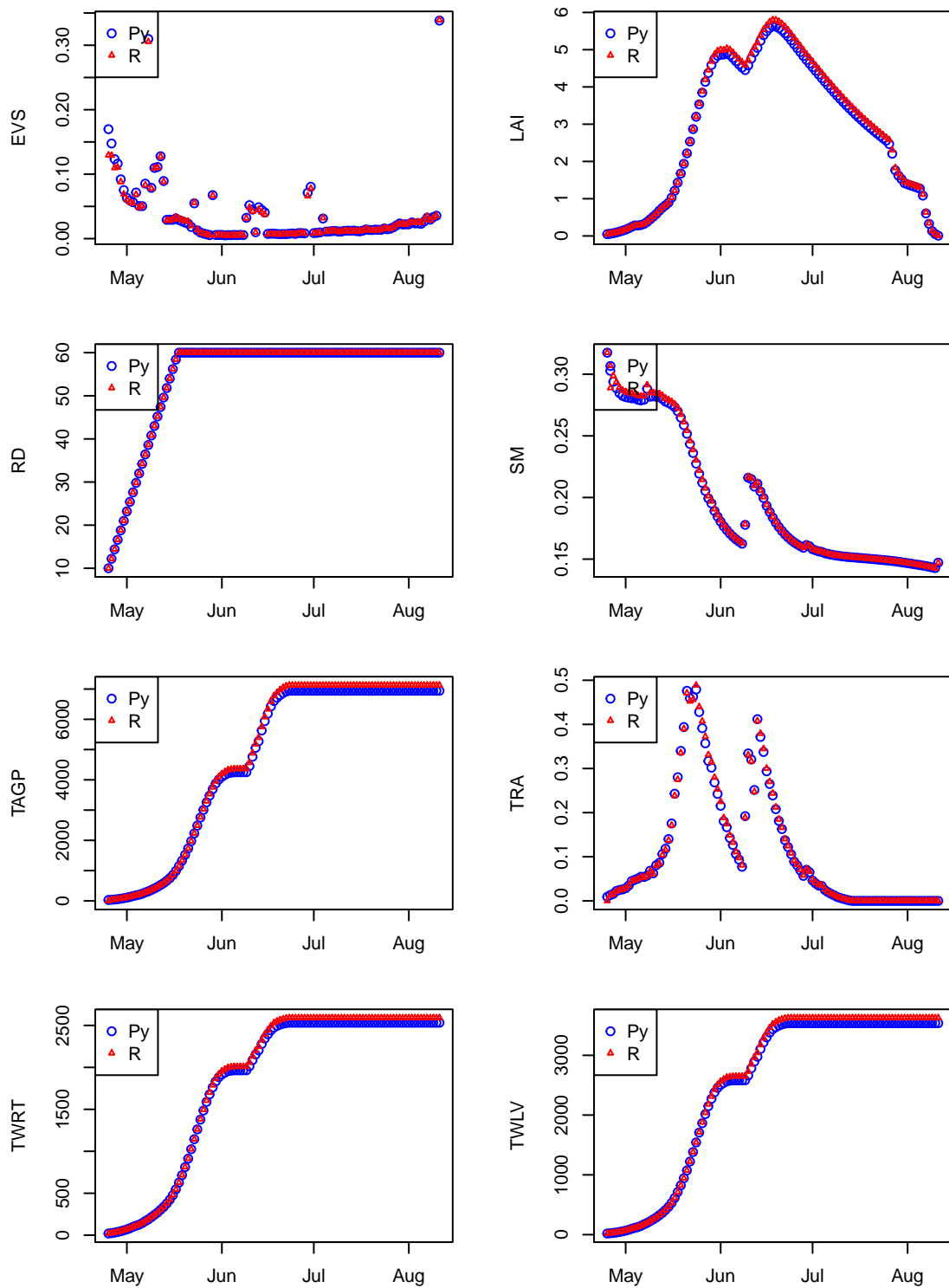


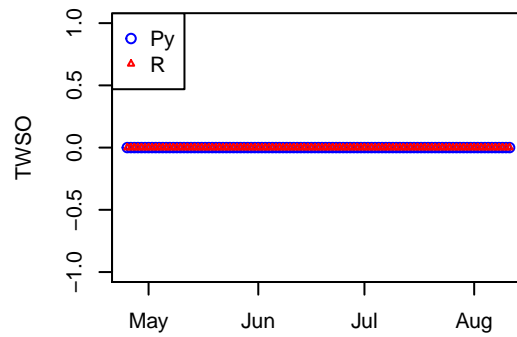
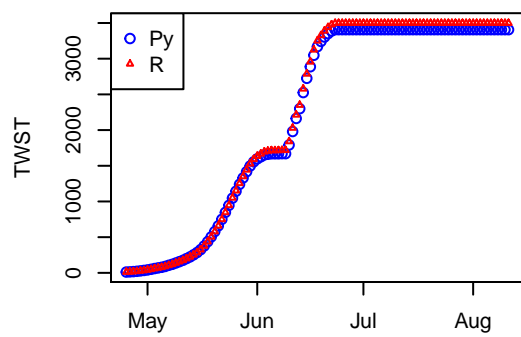
```
## [1] "waterlimitedproduction 9"
```



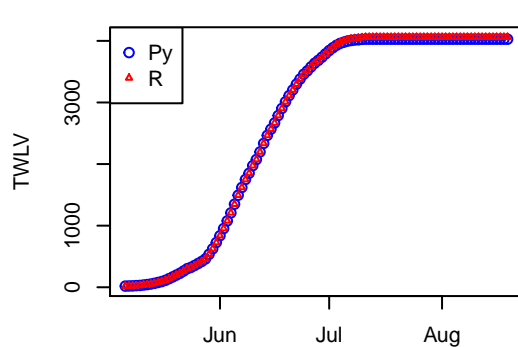
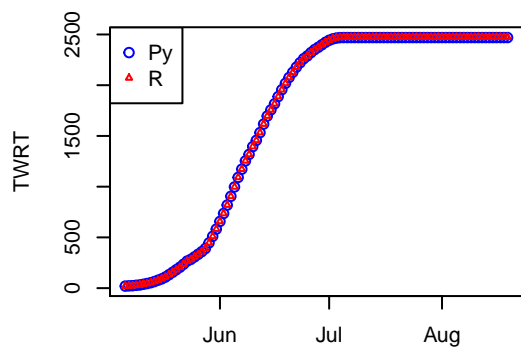
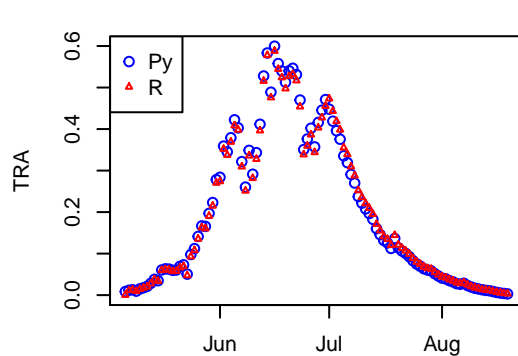
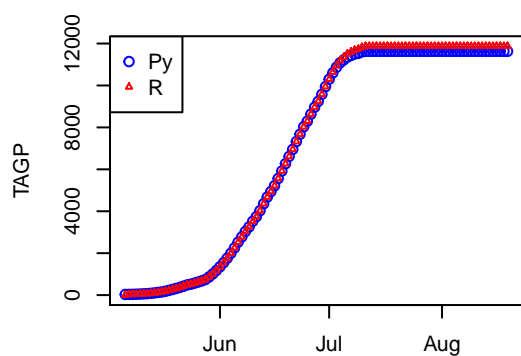
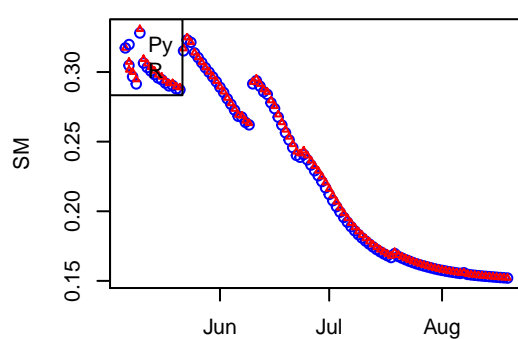
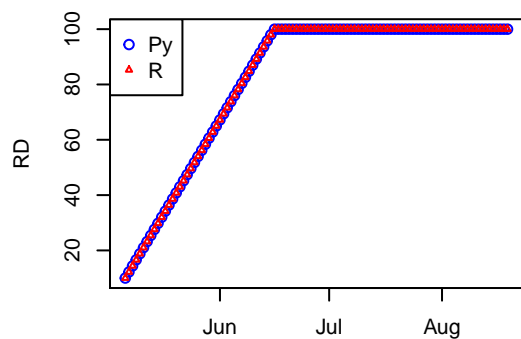
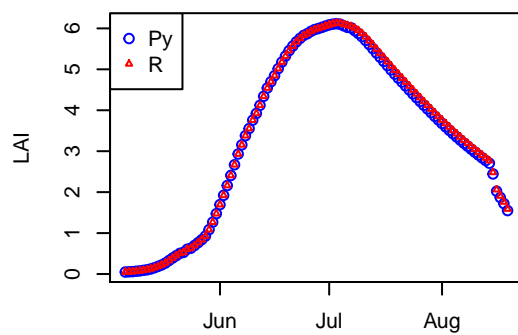
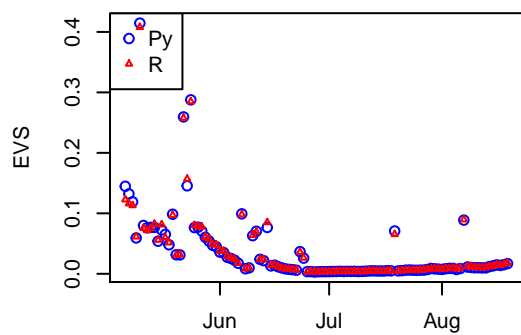


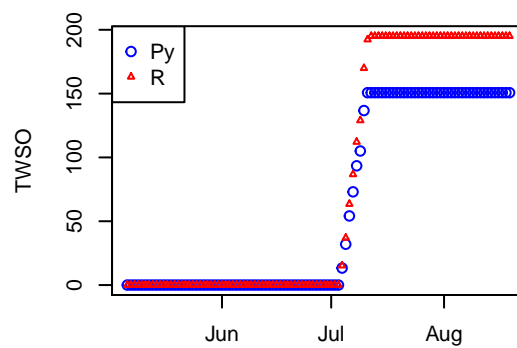
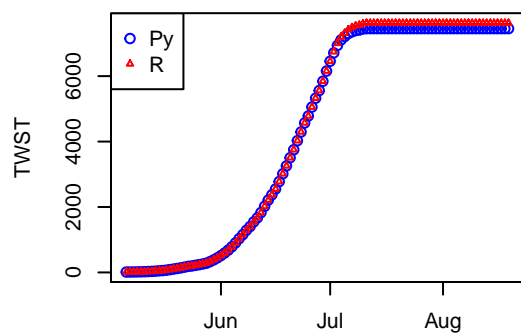
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## [1] "waterlimitedproduction 10"
```



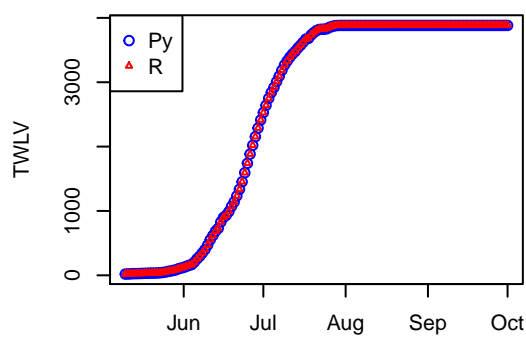
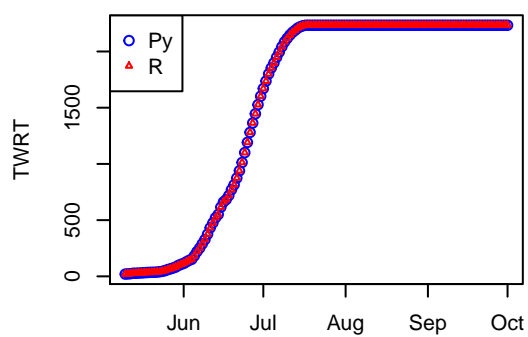
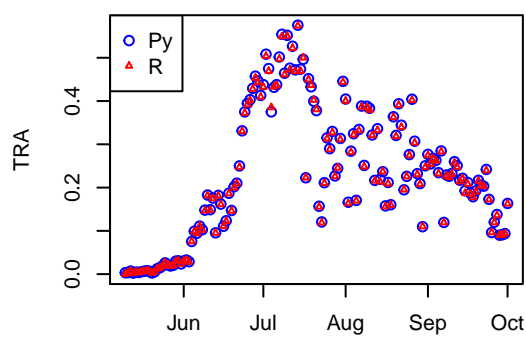
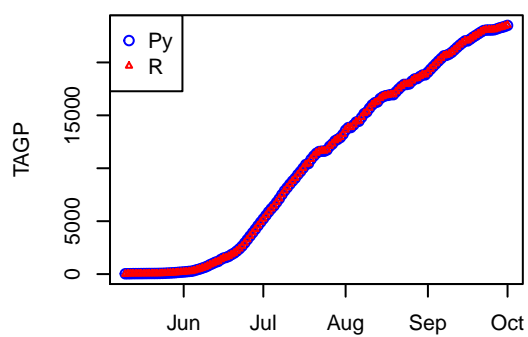
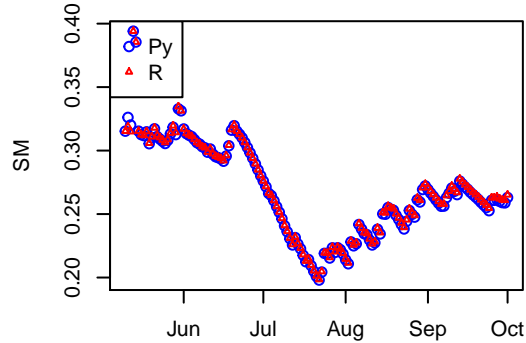
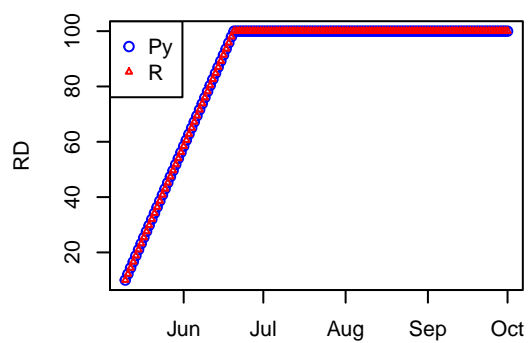
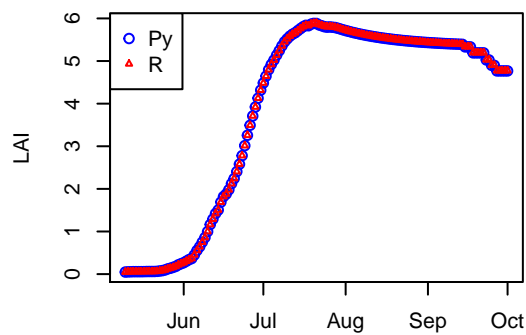
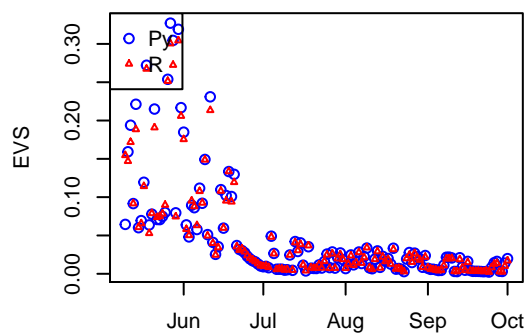


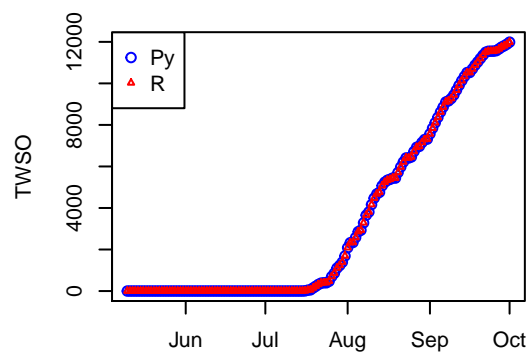
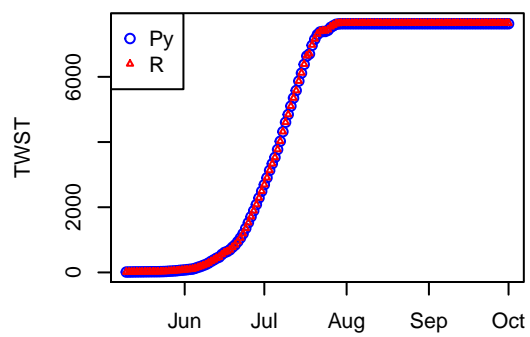
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## [1] "waterlimitedproduction 11"
```



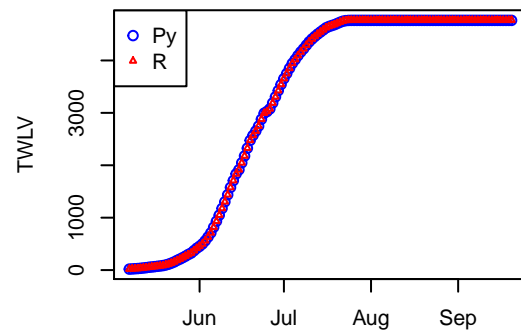
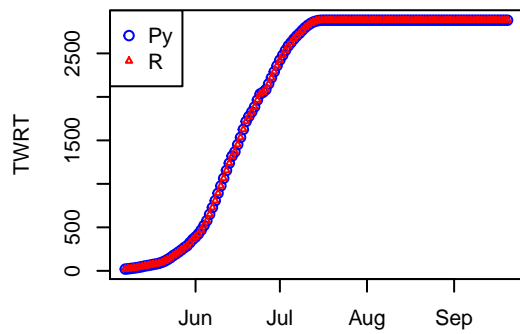
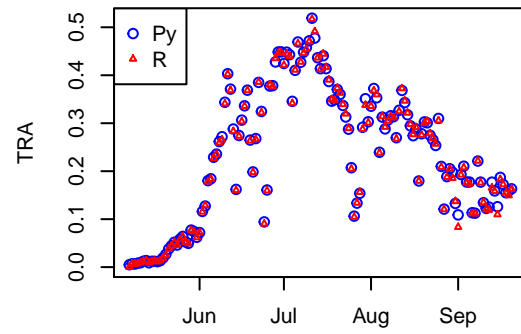
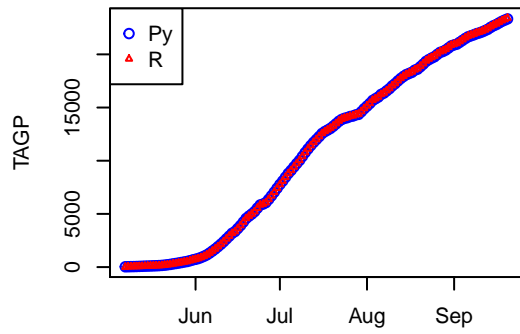
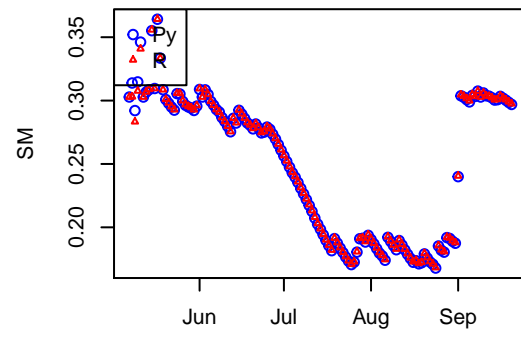
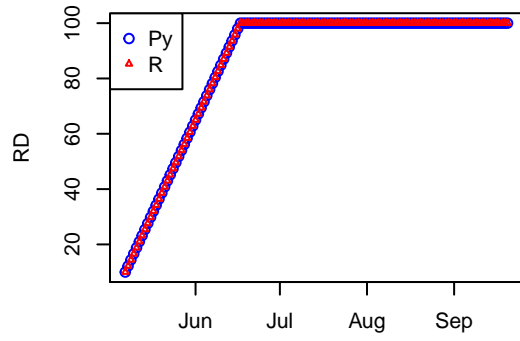
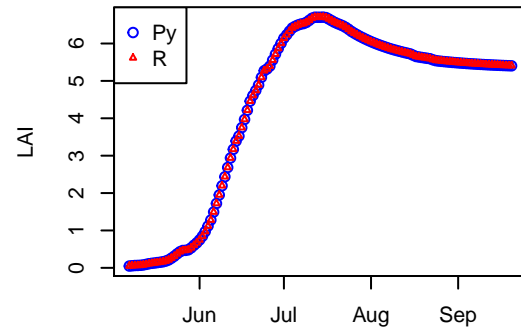
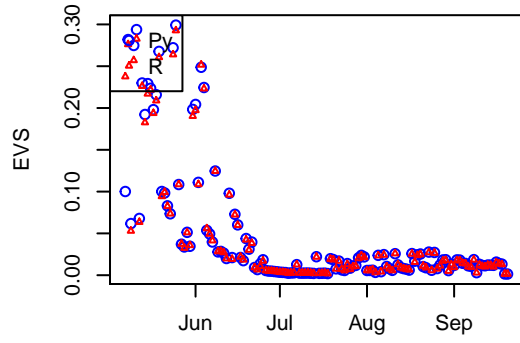


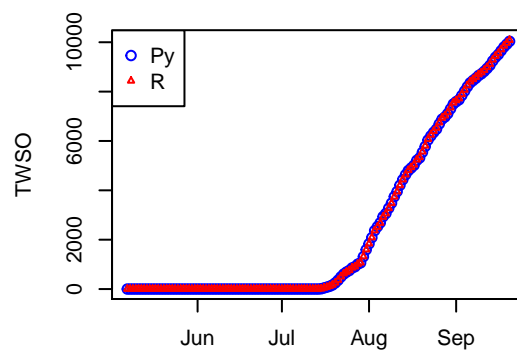
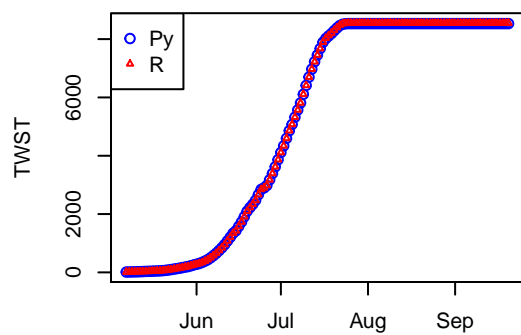
[1] "waterlimitedproduction 12"



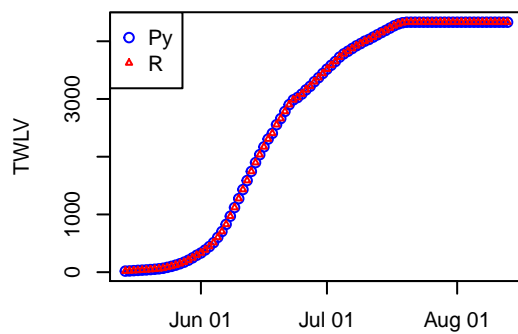
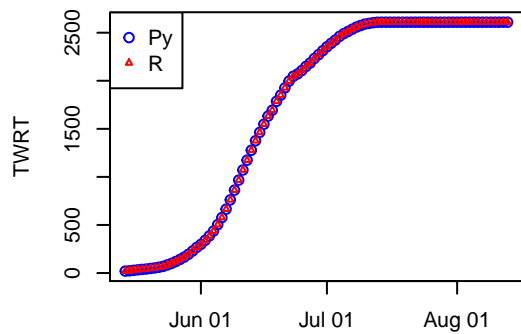
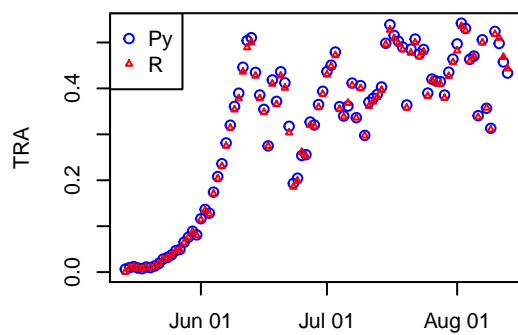
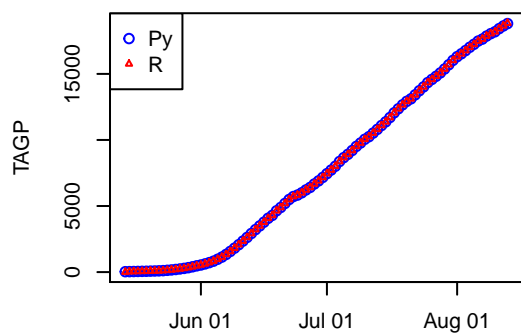
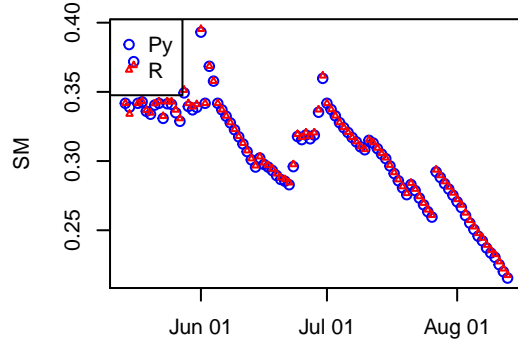
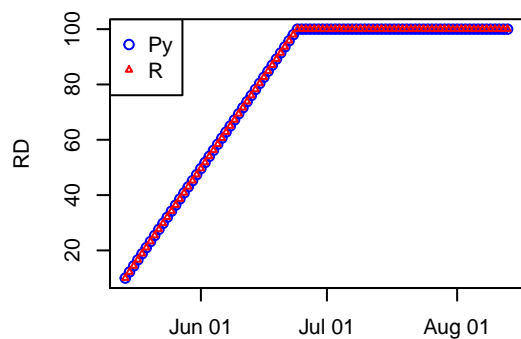
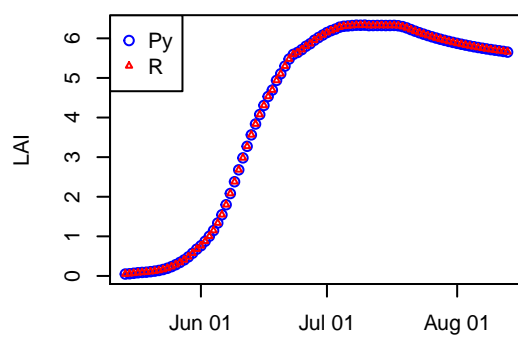
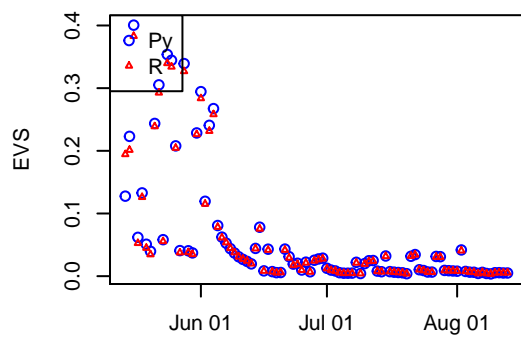


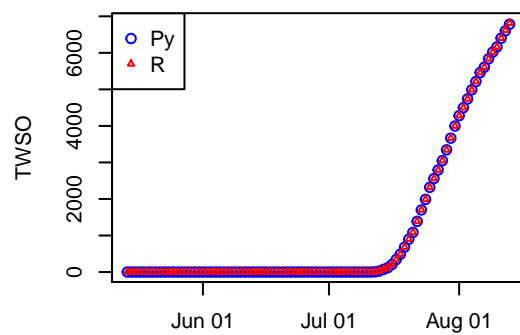
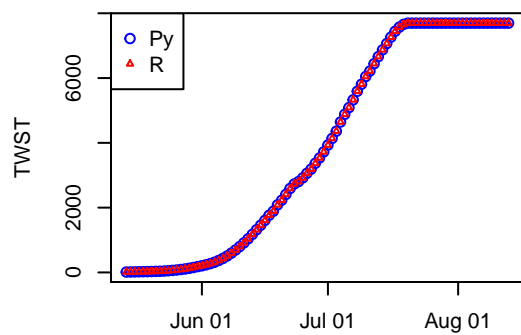
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## [1] "waterlimitedproduction 13"
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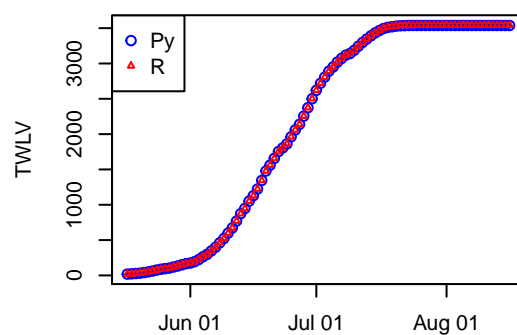
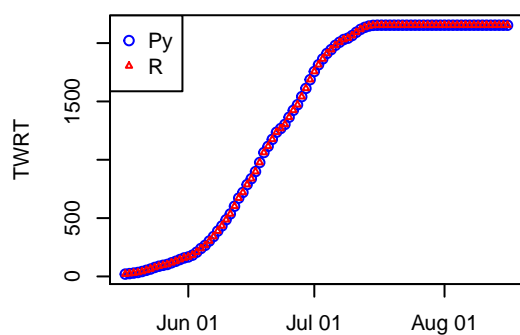
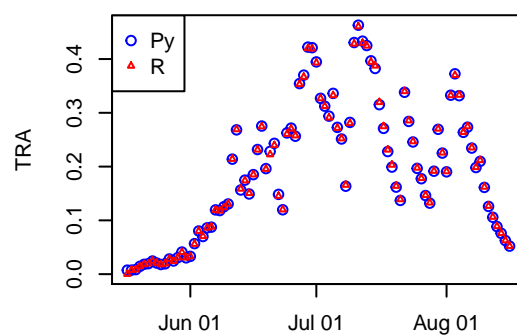
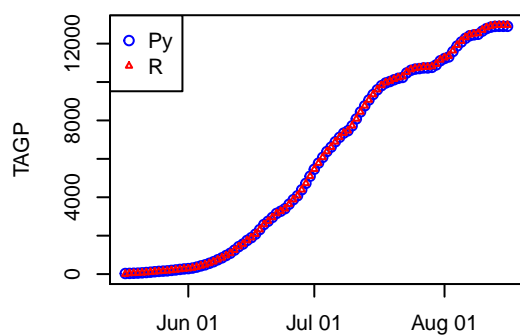
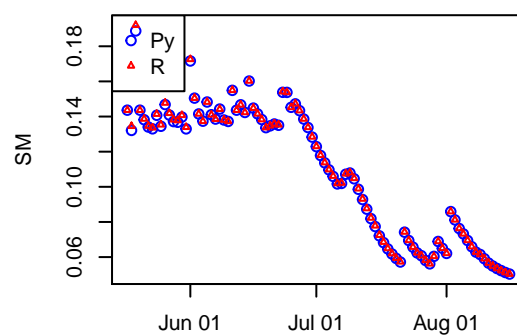
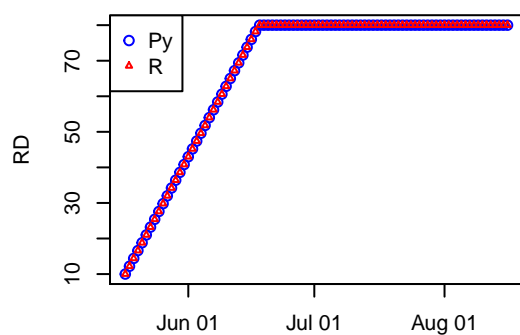
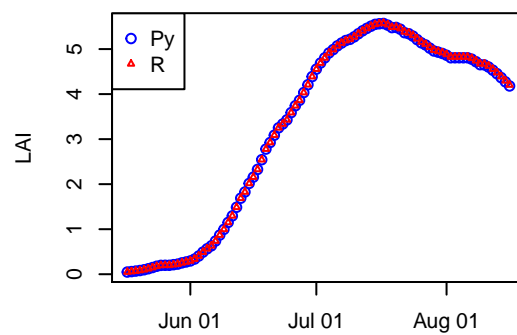
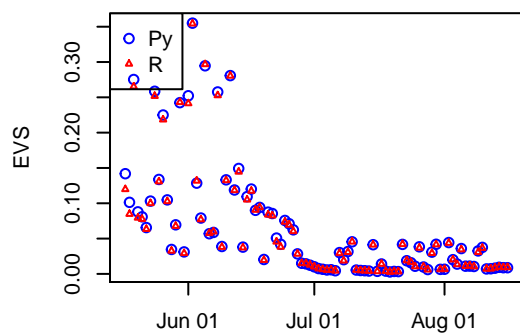


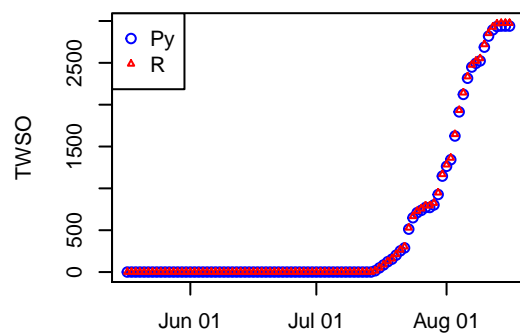
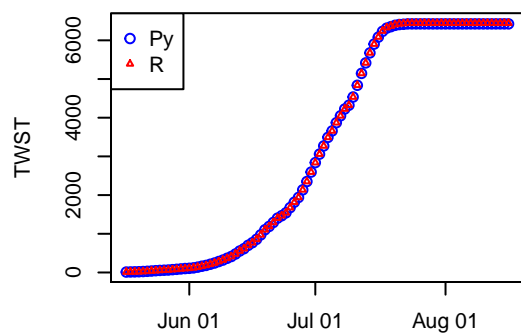
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## [1] "waterlimitedproduction 14"
```



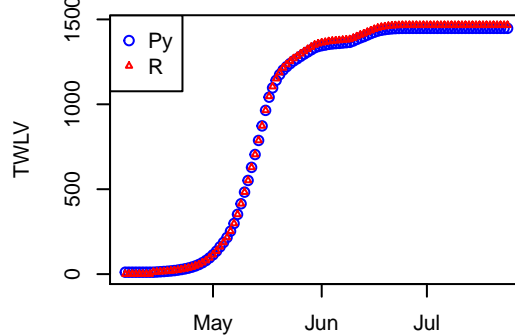
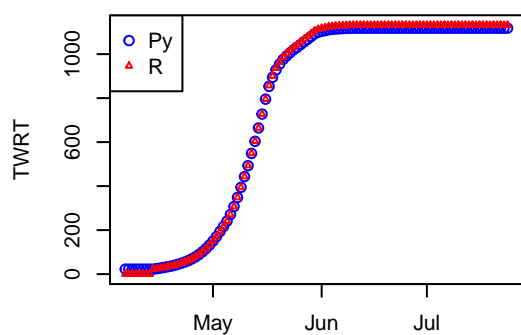
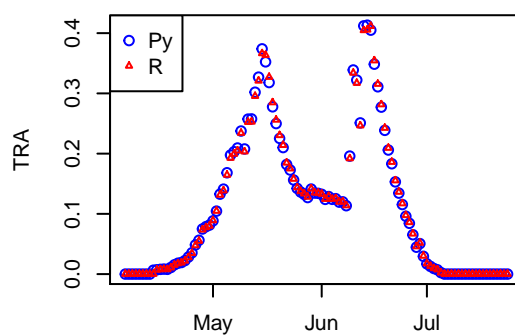
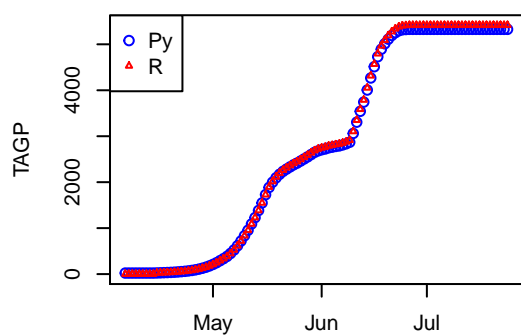
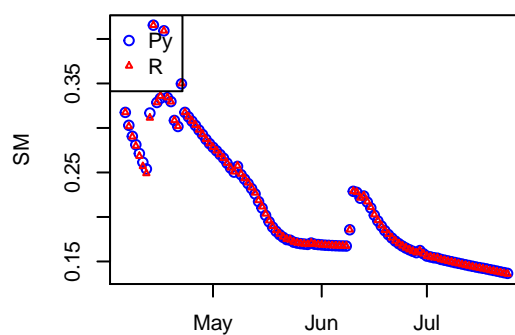
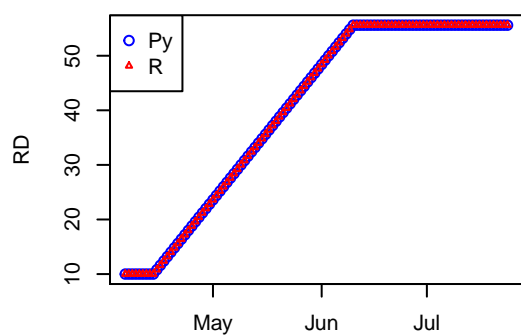
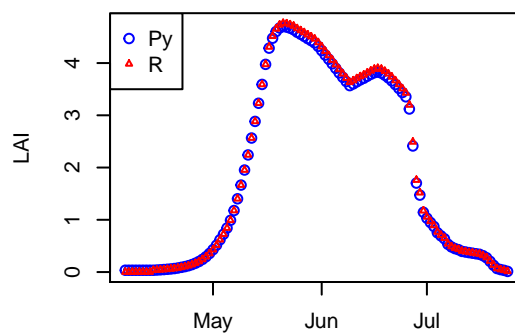
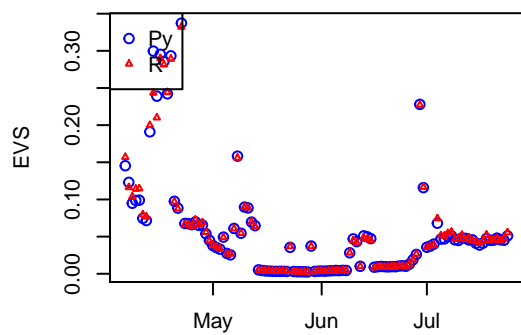


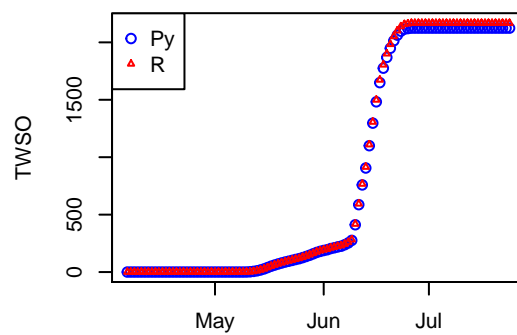
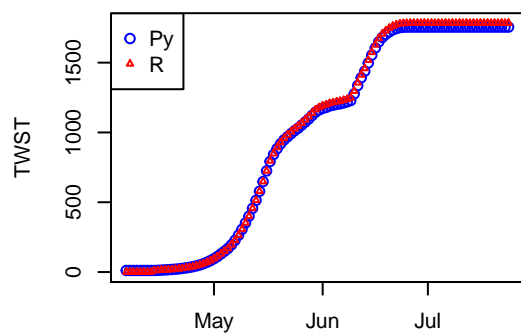
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## [1] "waterlimitedproduction 15"
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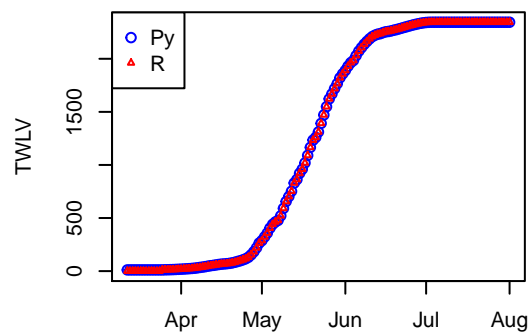
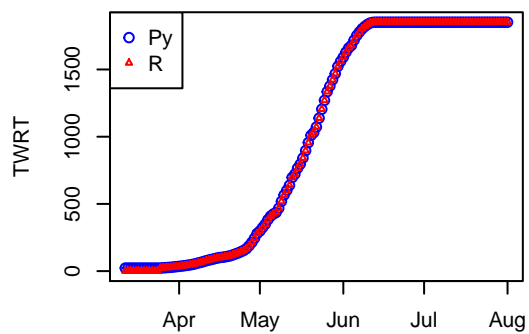
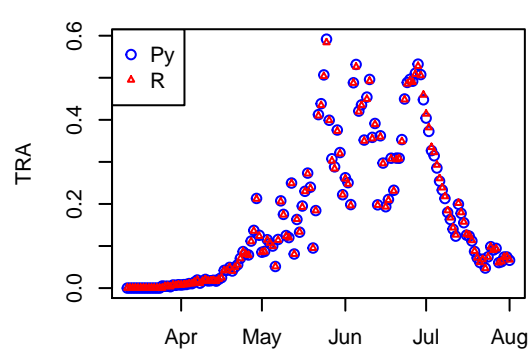
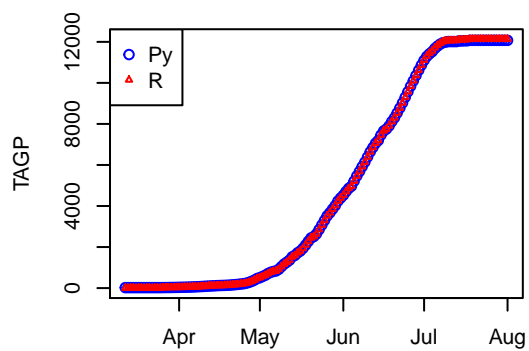
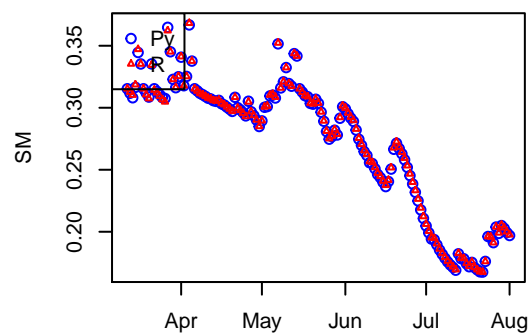
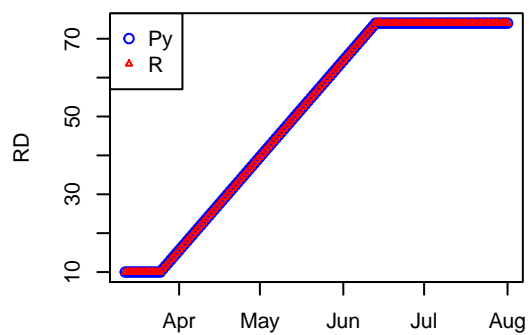
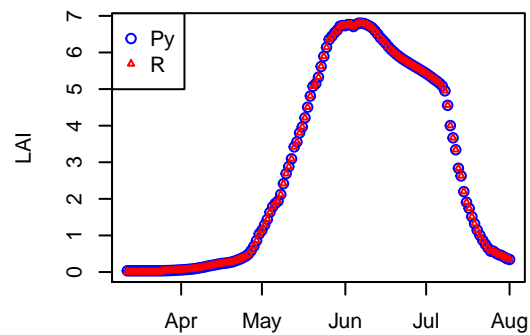
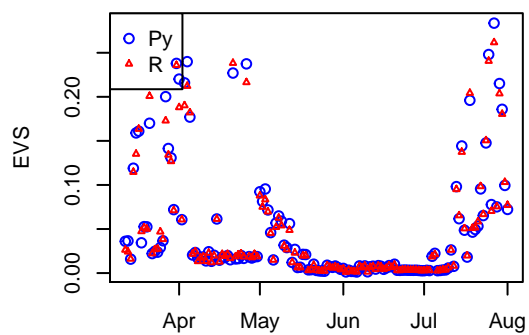


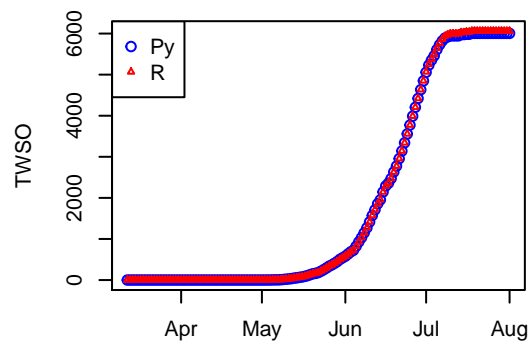
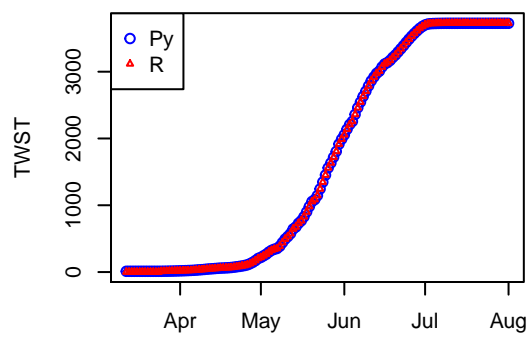
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## [1] "waterlimitedproduction 16"
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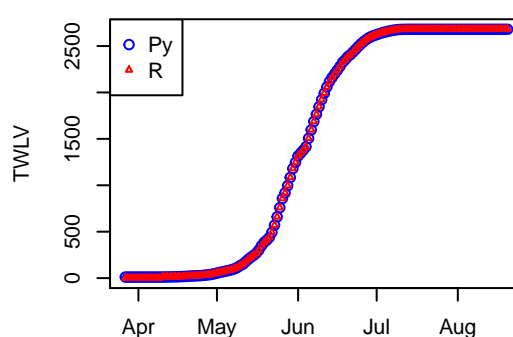
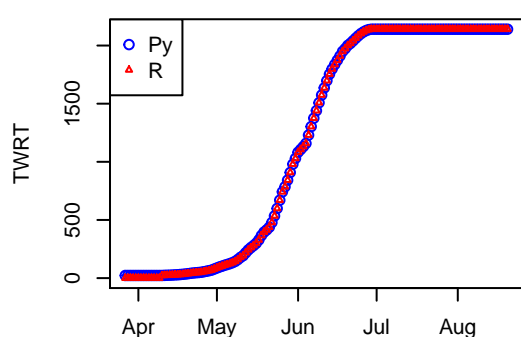
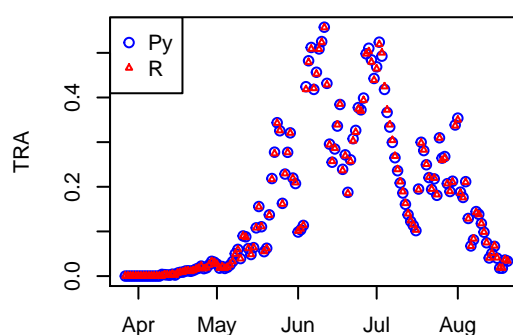
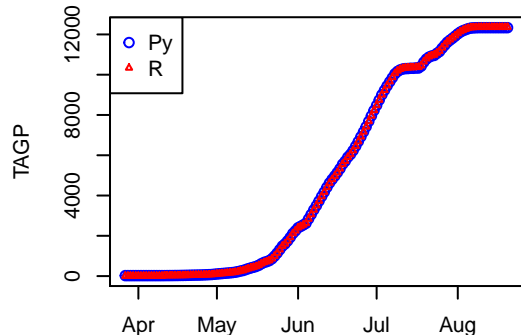
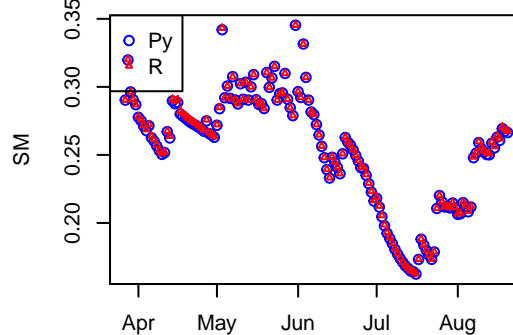
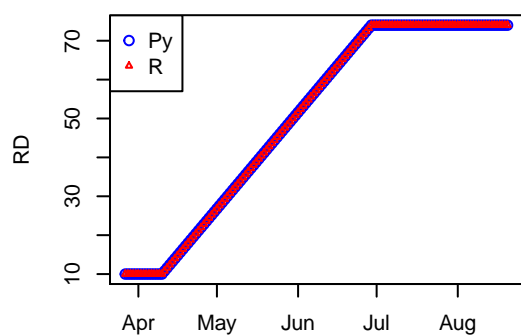
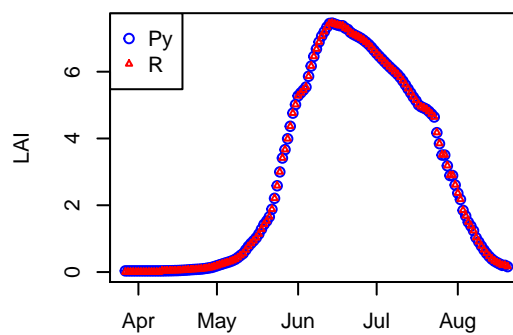
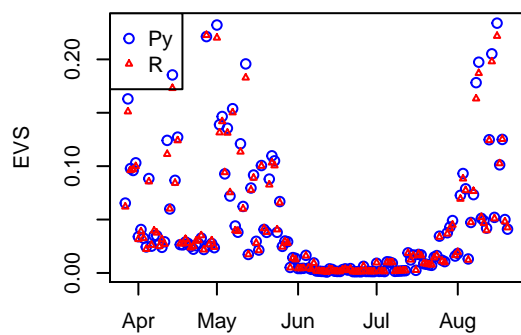


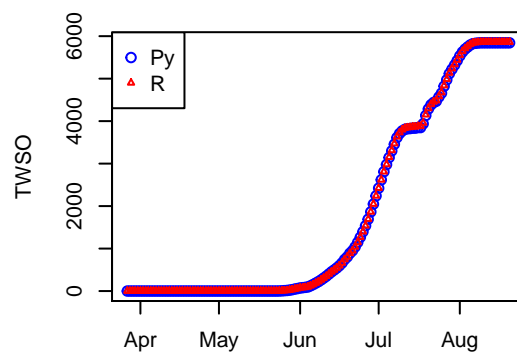
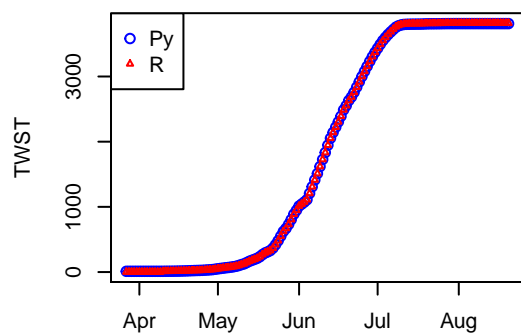
[1] "waterlimitedproduction 27"



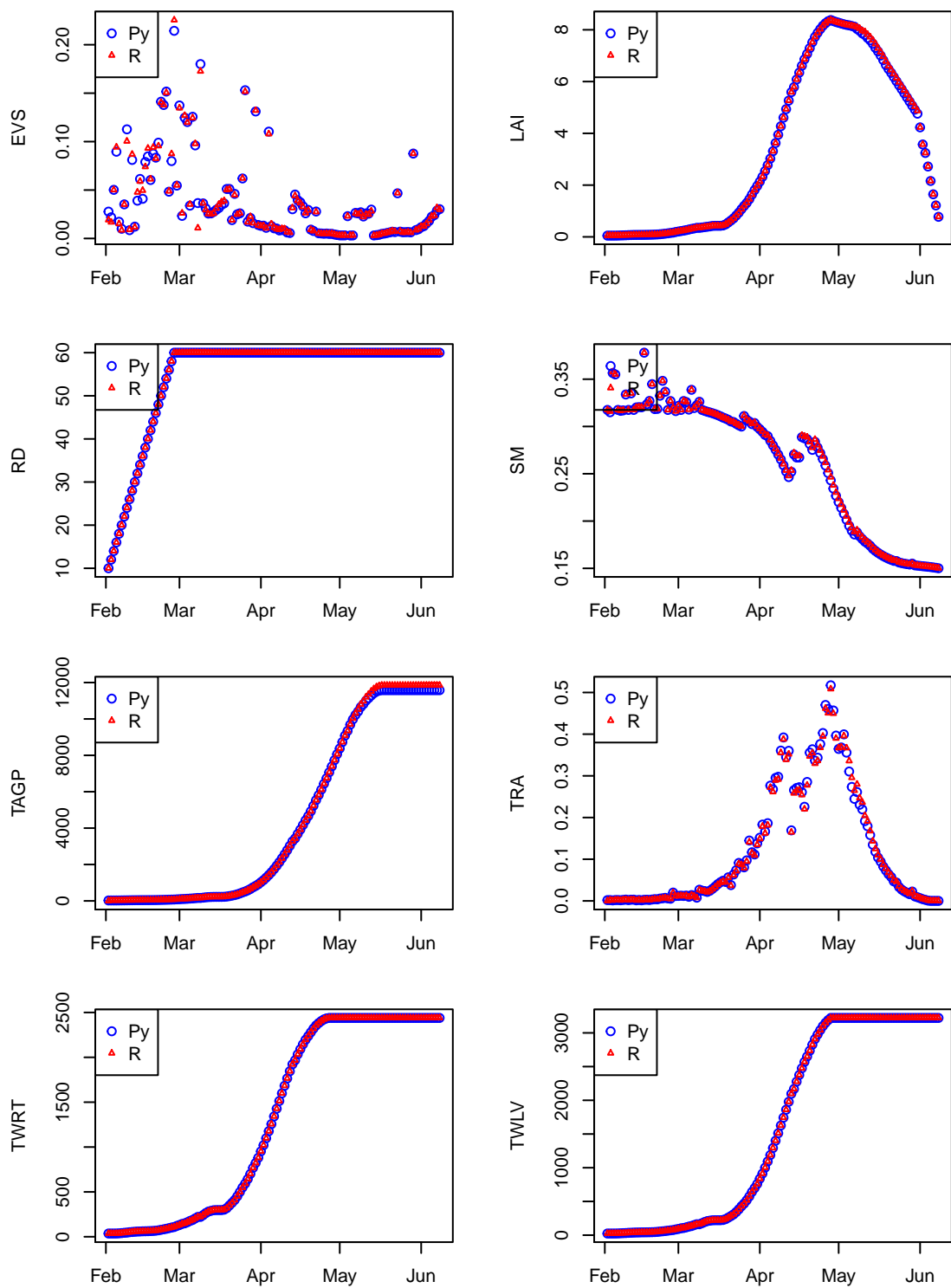


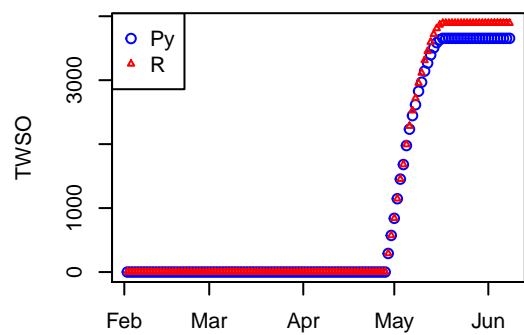
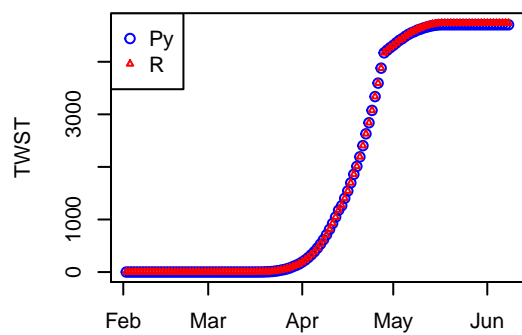
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## [1] "waterlimitedproduction 28"
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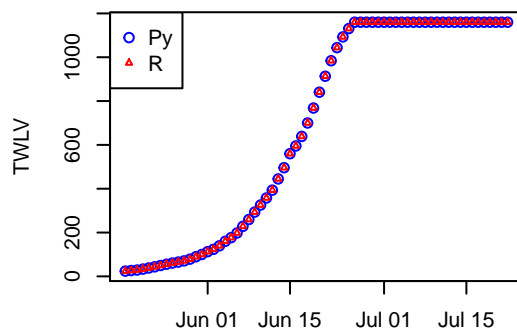
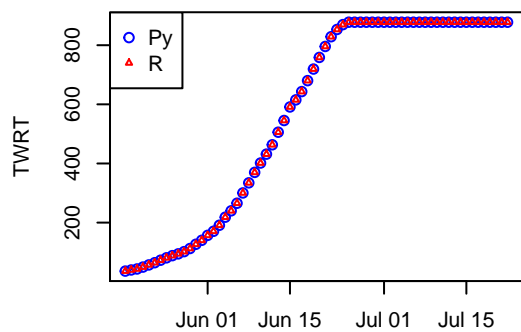
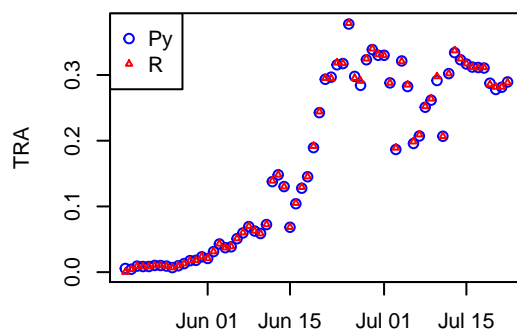
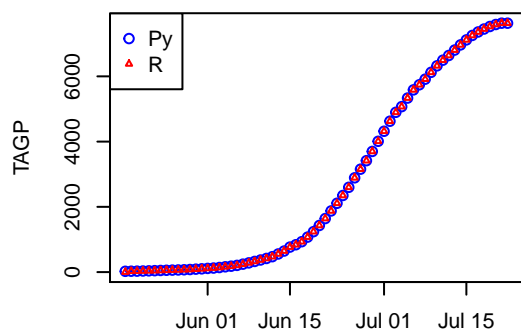
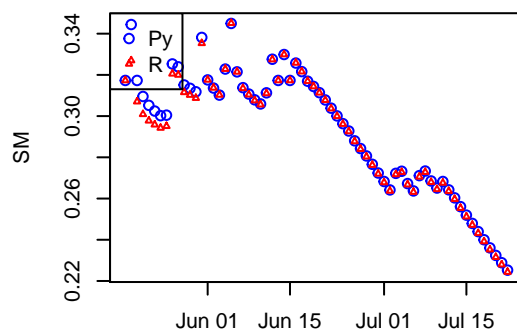
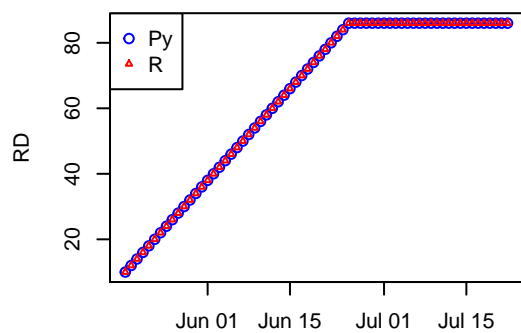
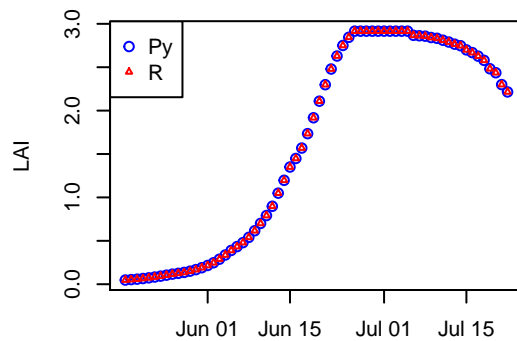
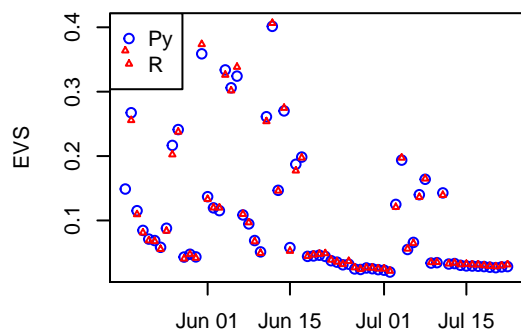


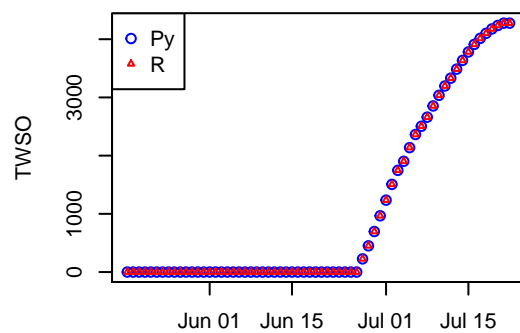
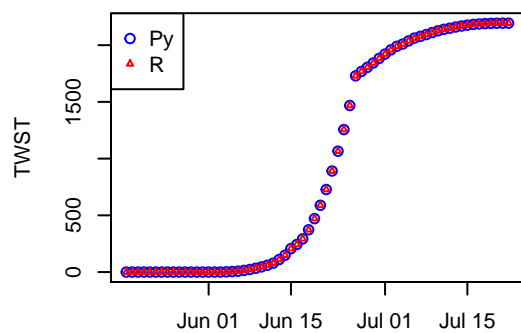
```
## [1] "waterlimitedproduction 29"
```



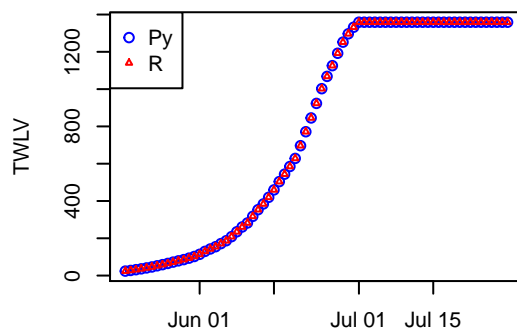
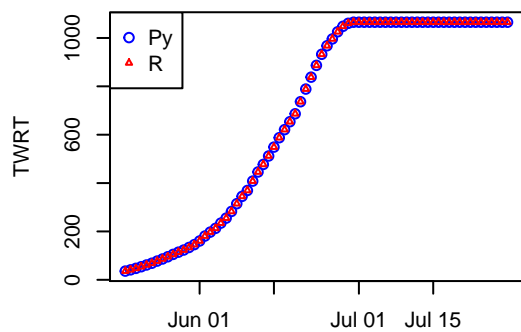
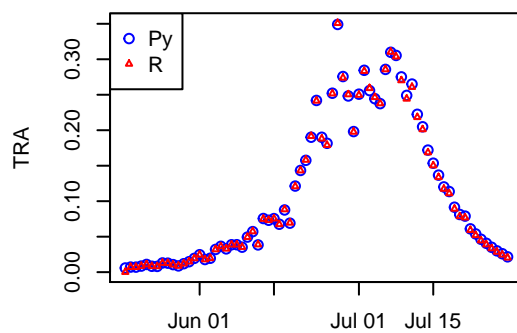
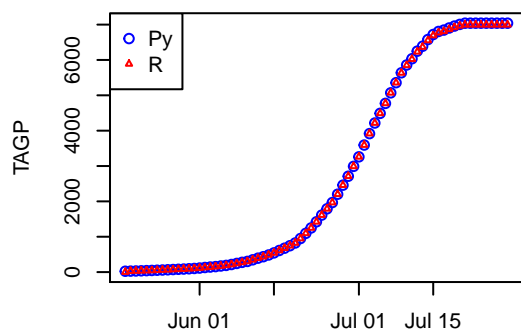
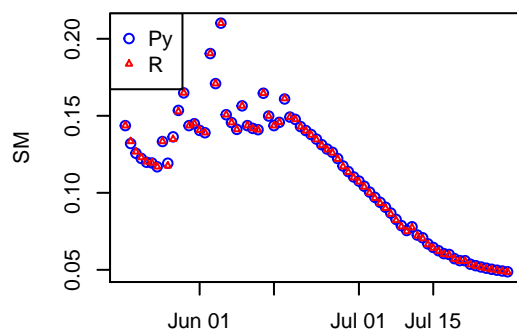
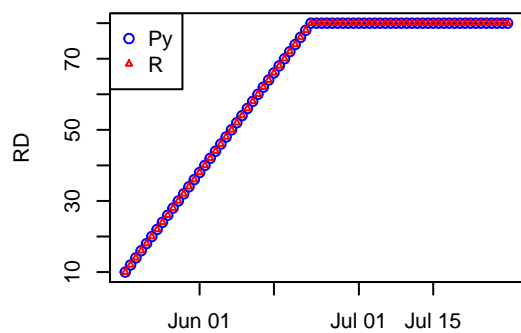
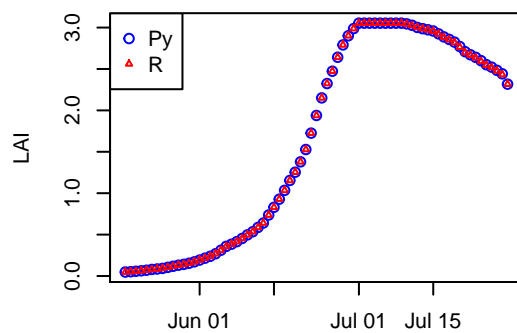
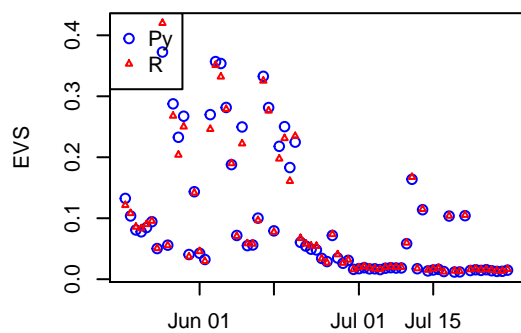


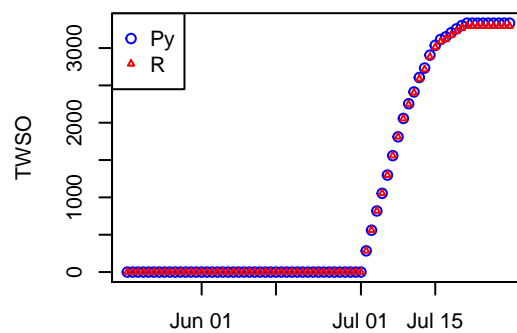
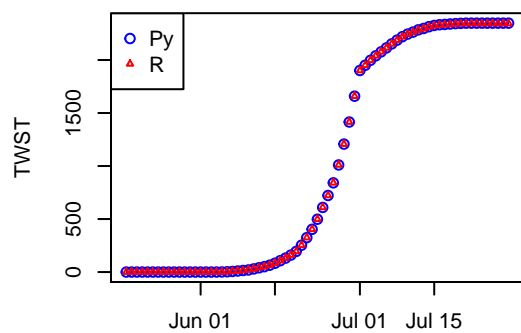
```
## [1] "waterlimitedproduction 30"
```



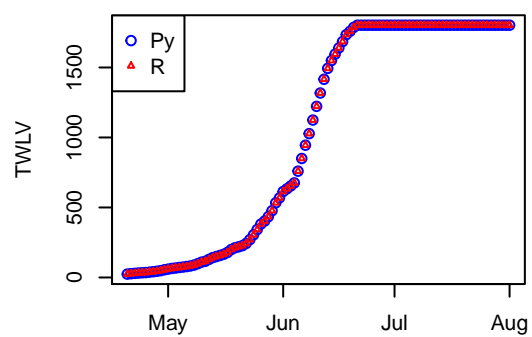
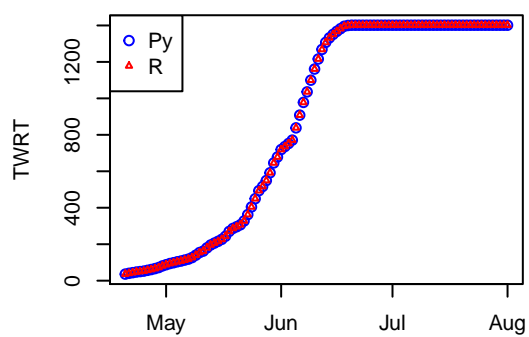
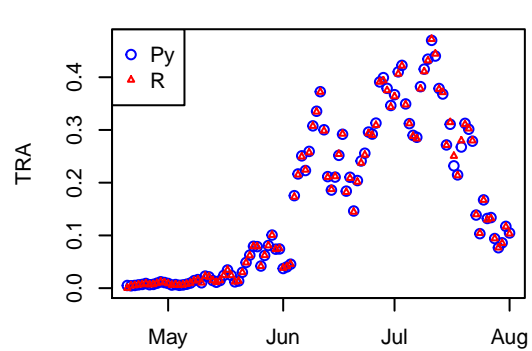
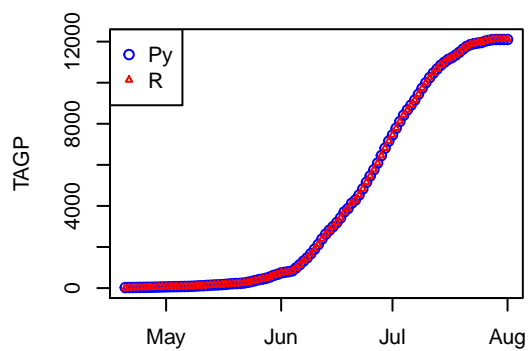
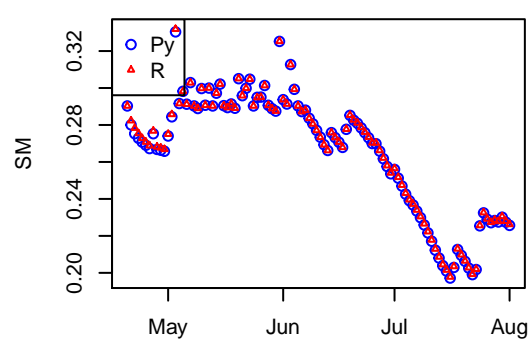
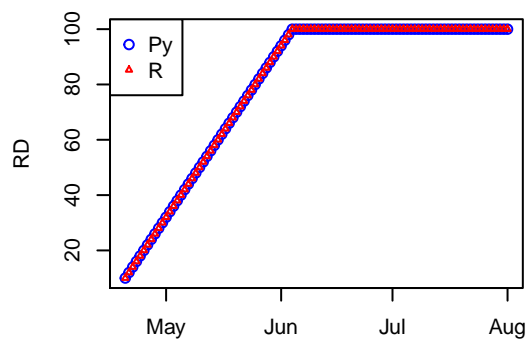
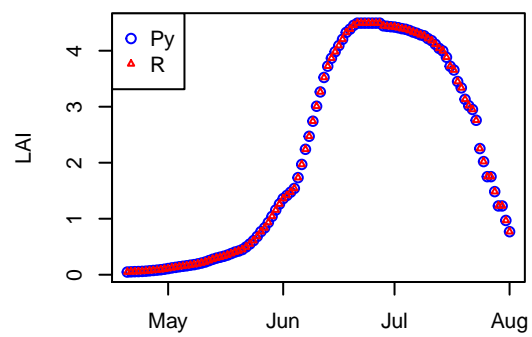
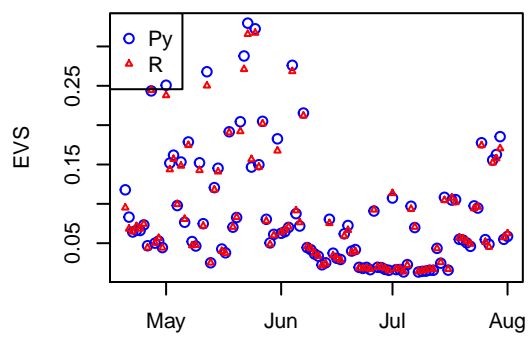


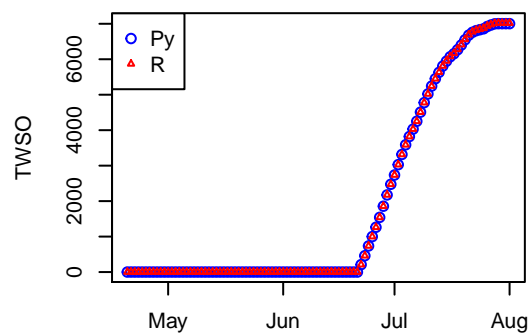
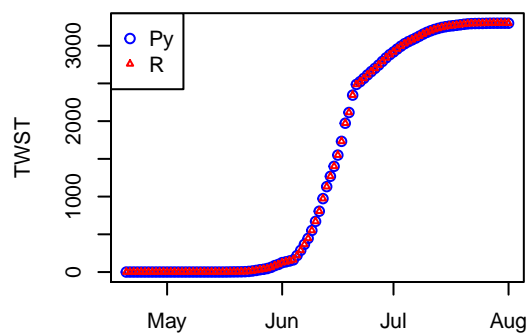
```
## [1] "waterlimitedproduction 31"
```



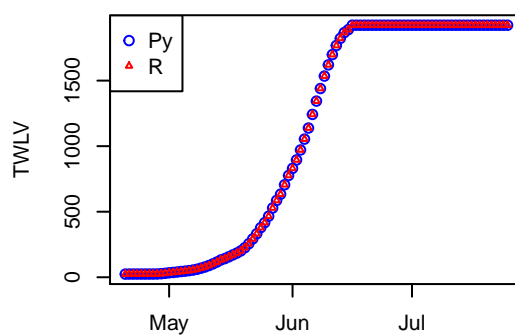
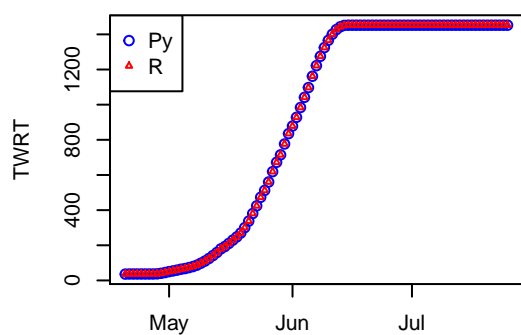
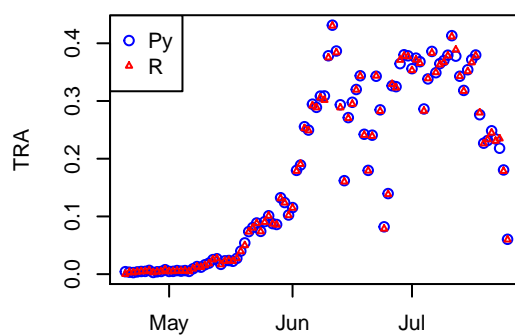
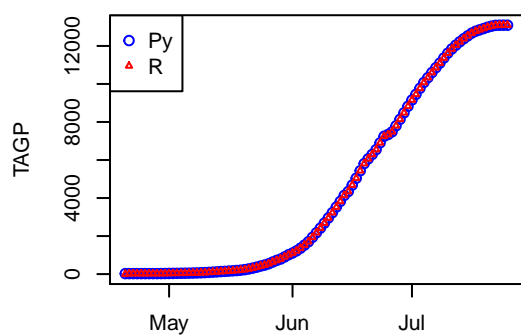
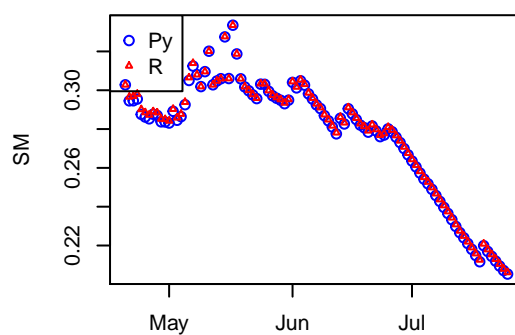
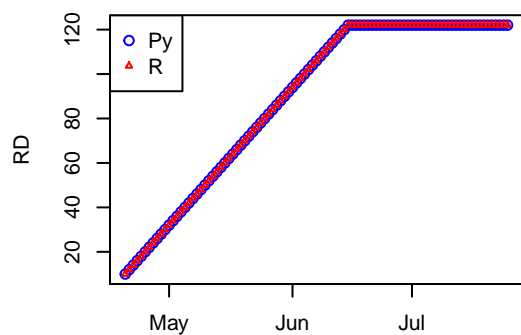
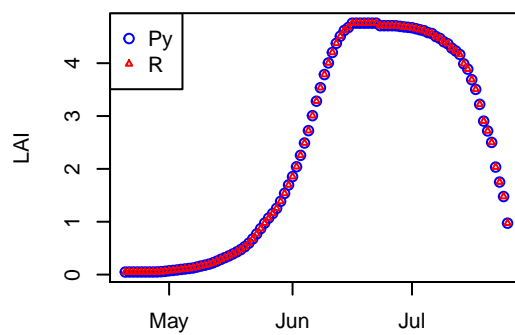
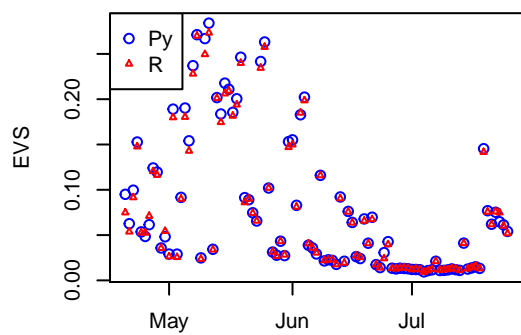


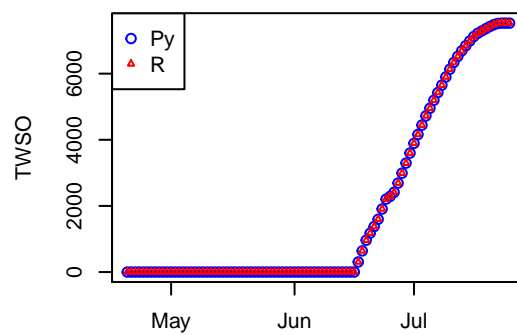
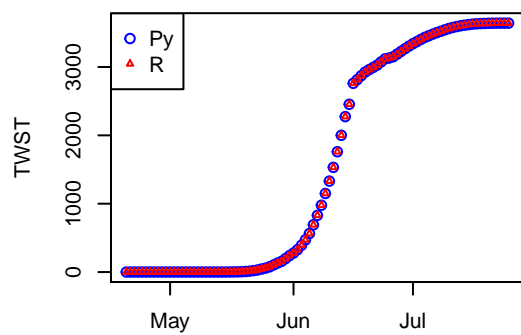
```
## [1] "waterlimitedproduction 32"
```



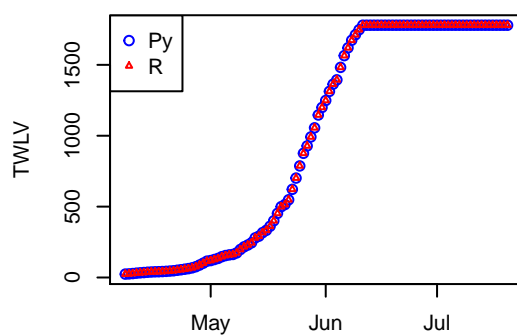
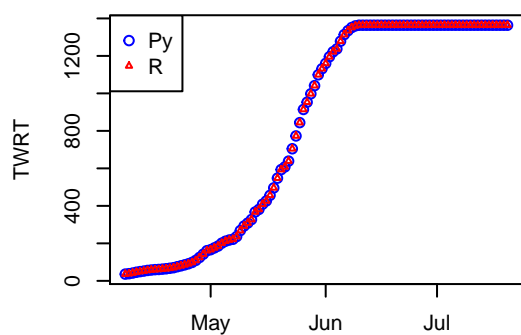
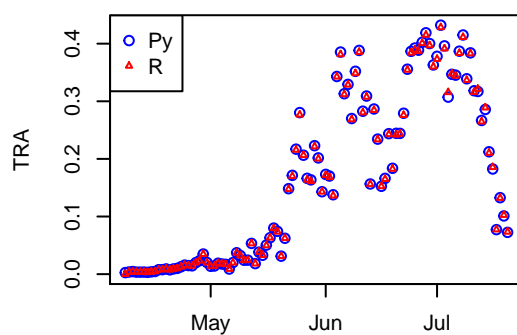
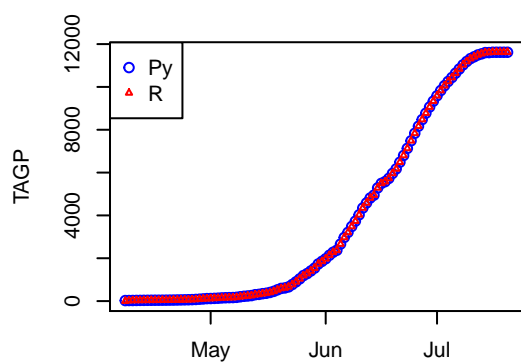
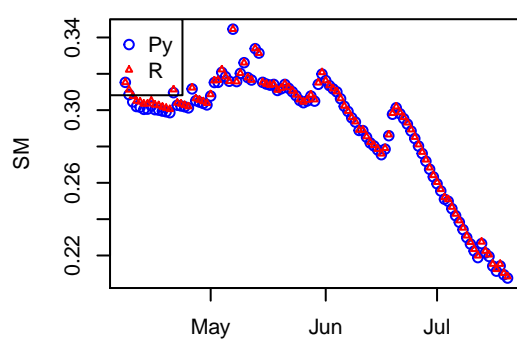
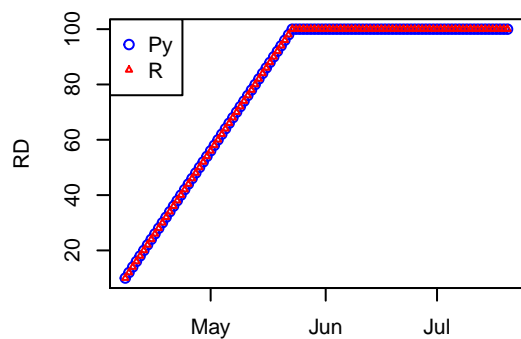
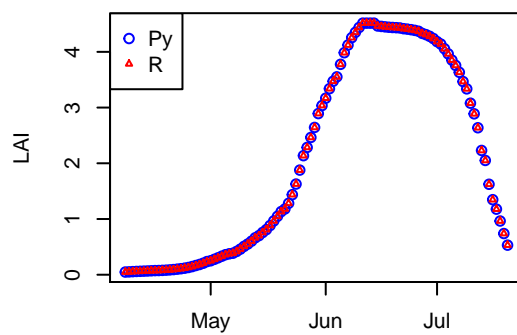
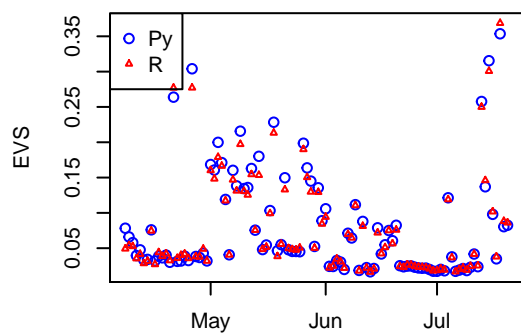


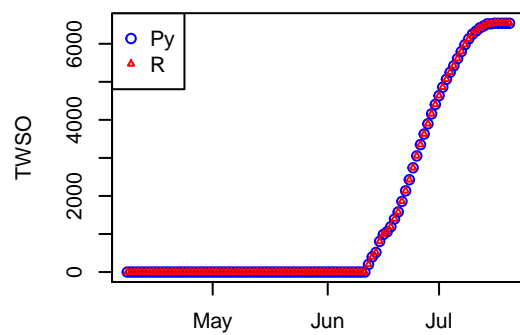
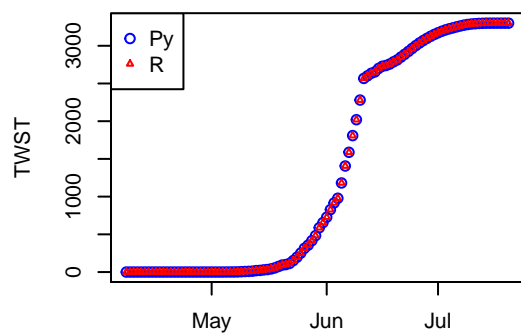
```
## [1] "waterlimitedproduction 33"
```



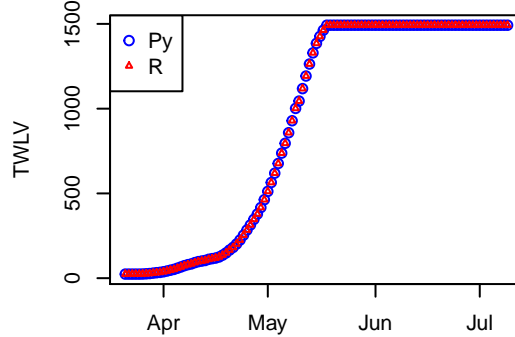
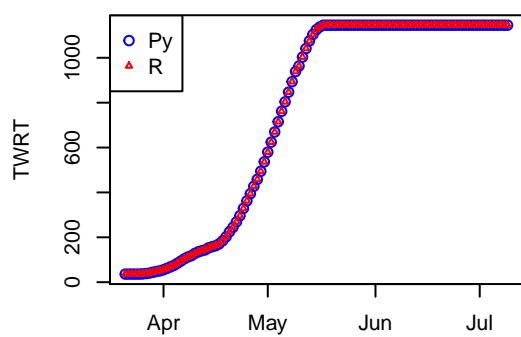
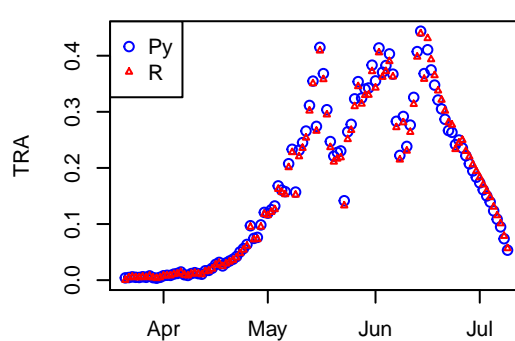
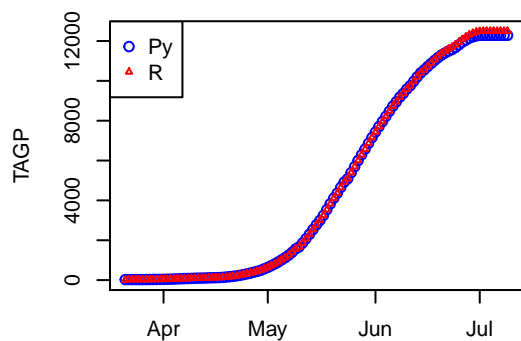
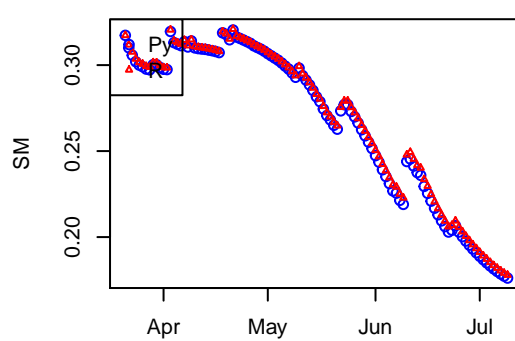
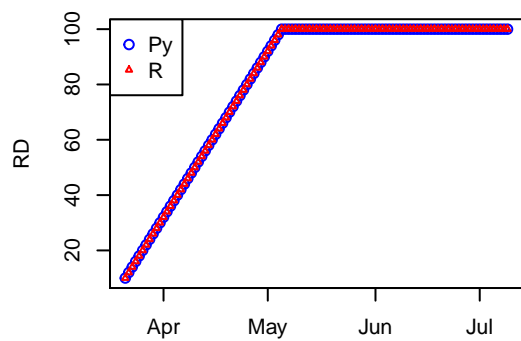
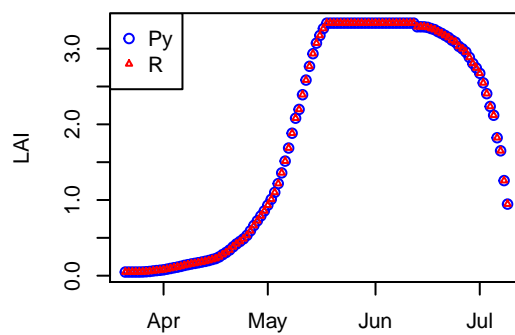
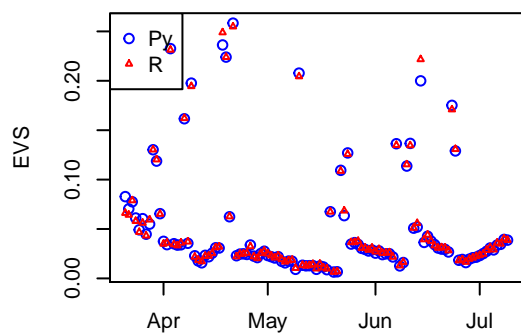


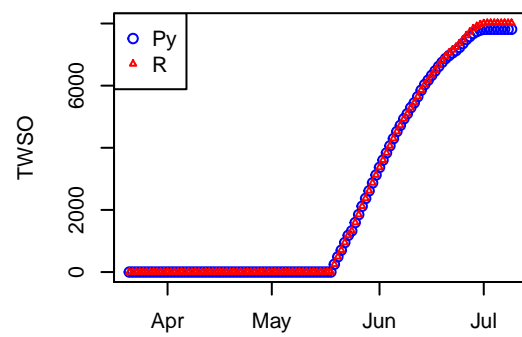
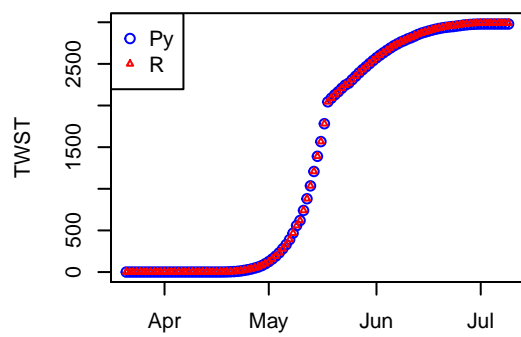
```
## [1] "waterlimitedproduction 34"
```



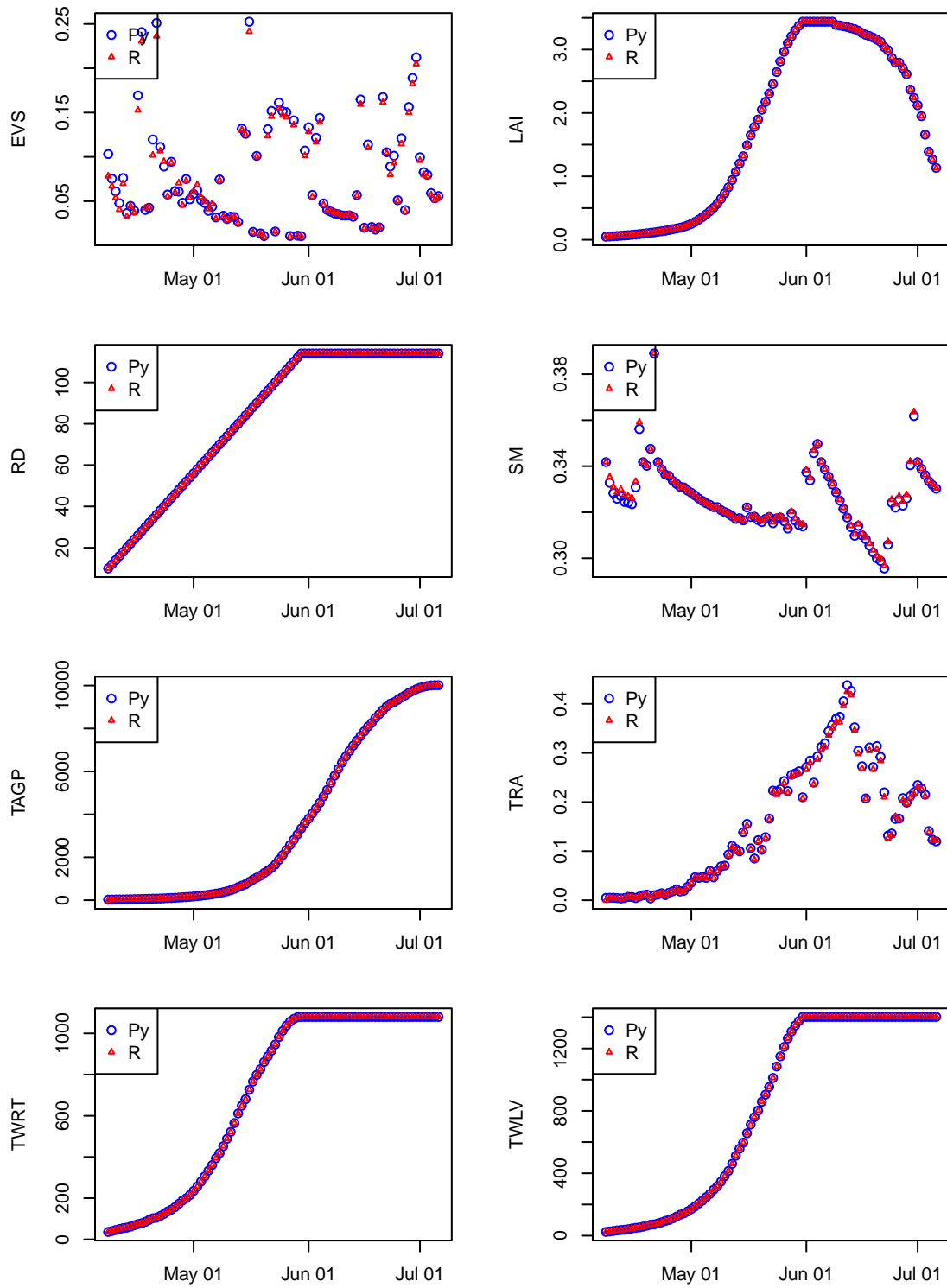


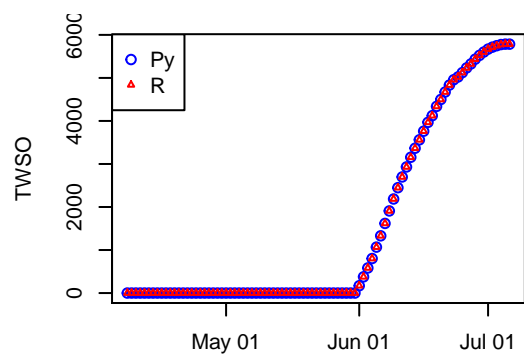
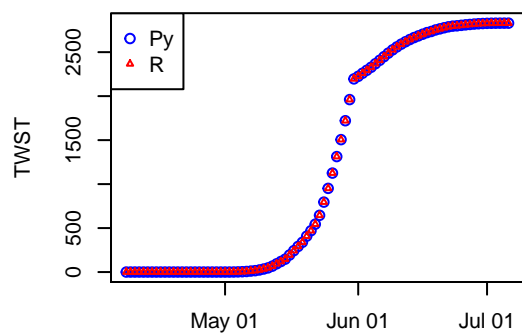
```
## [1] "waterlimitedproduction 35"
```



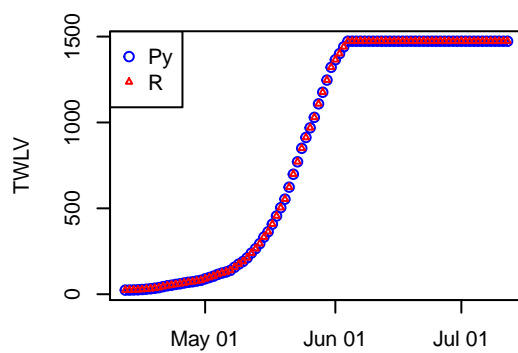
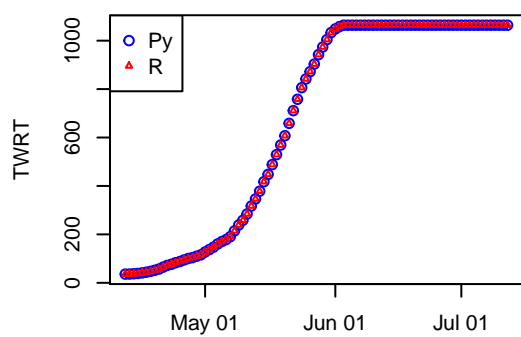
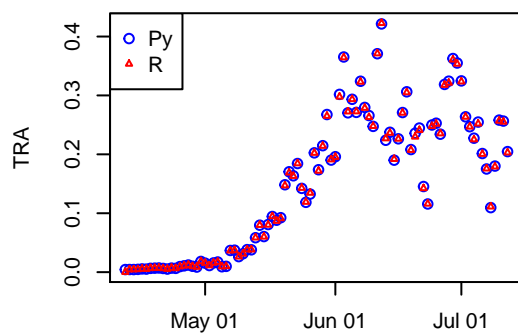
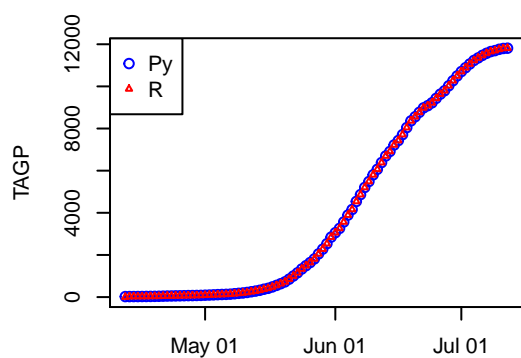
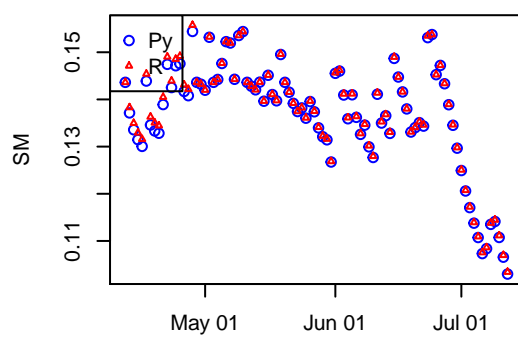
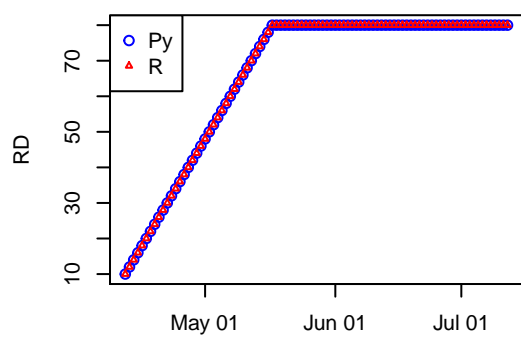
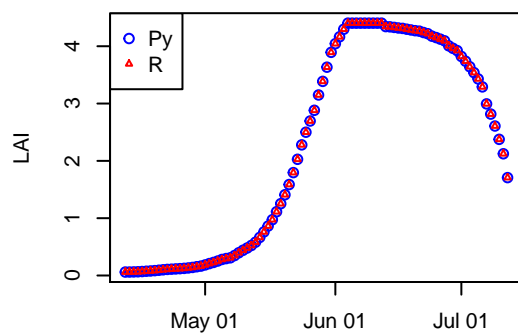
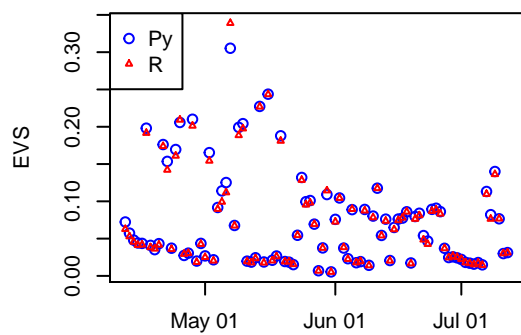


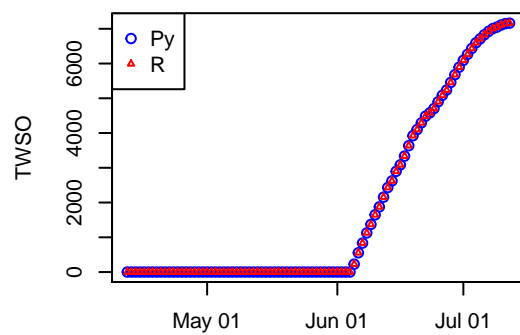
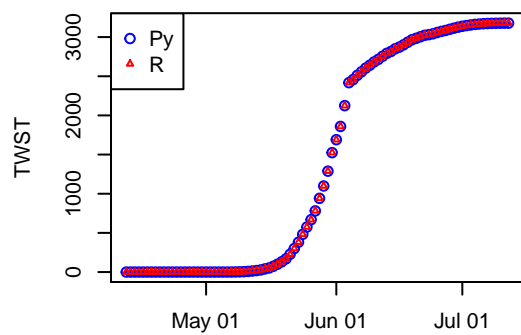
```
## [1] "waterlimitedproduction 36"
```



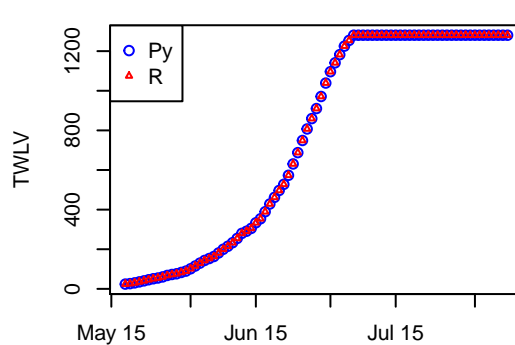
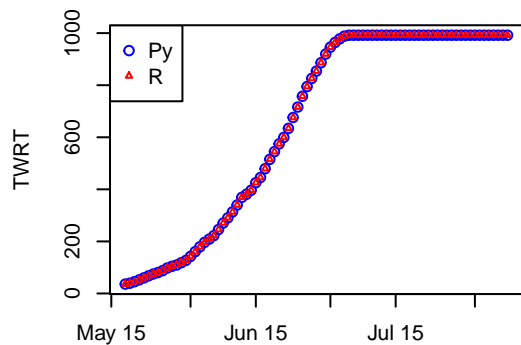
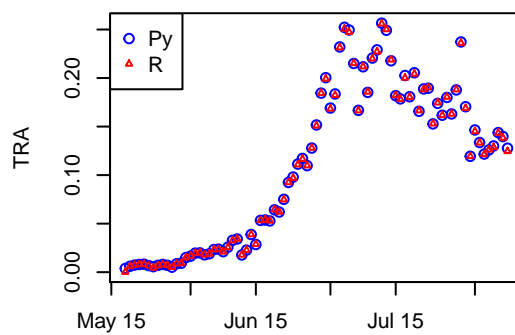
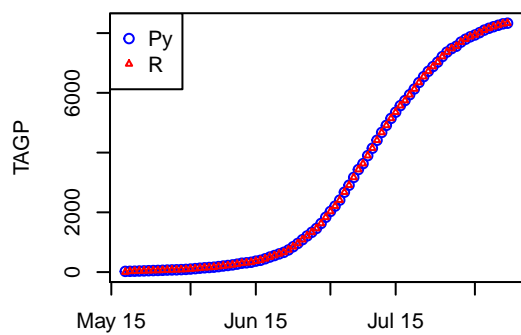
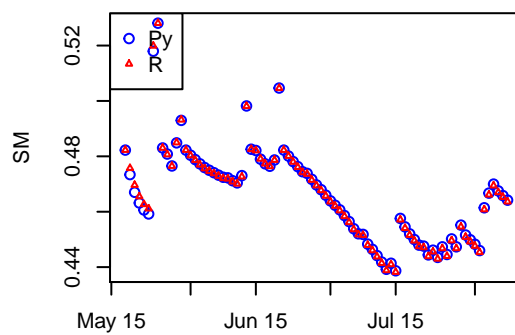
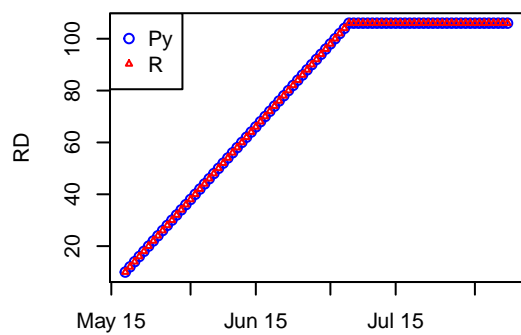
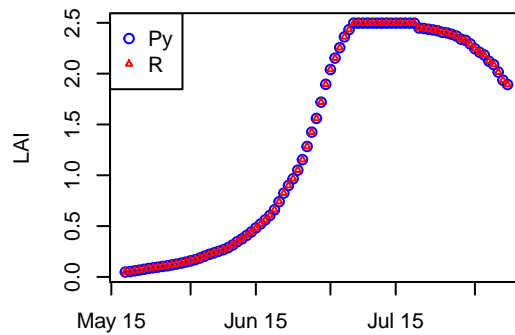
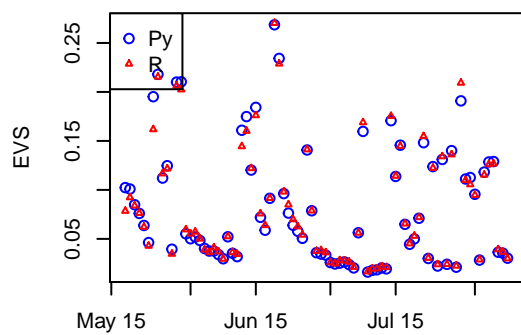


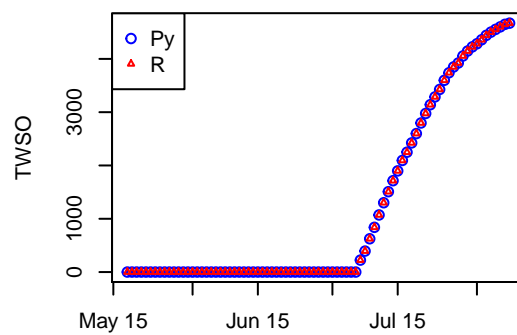
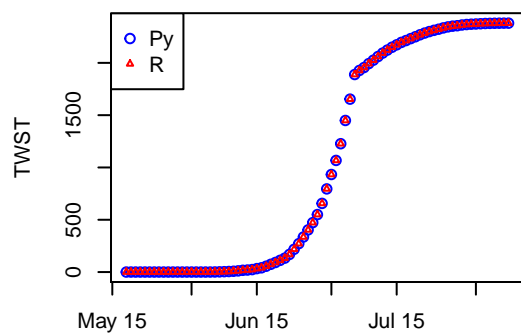
```
## [1] "waterlimitedproduction 37"
```



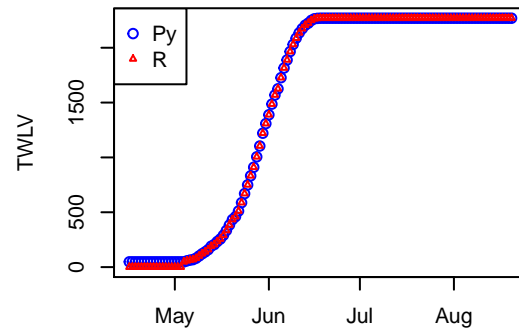
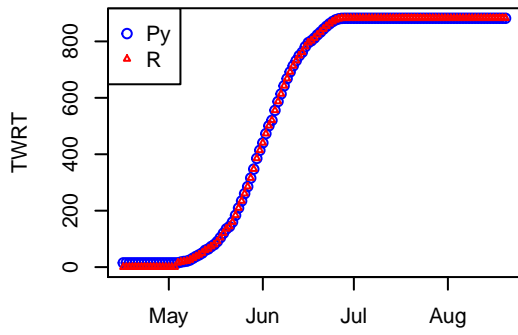
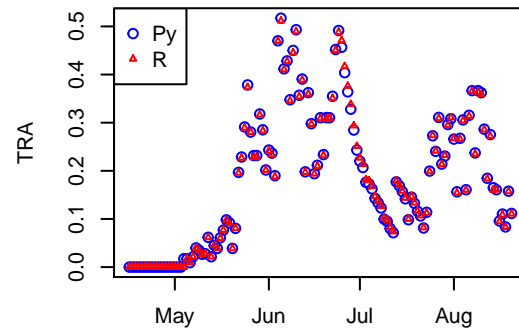
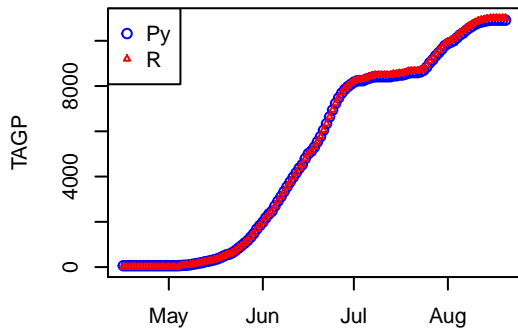
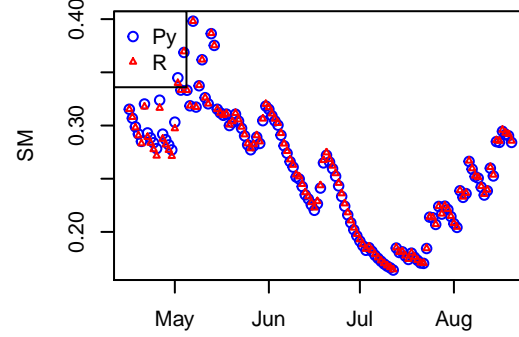
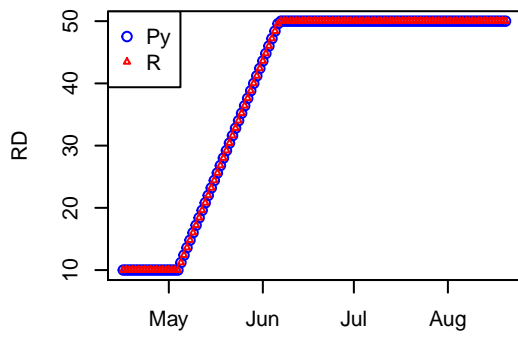
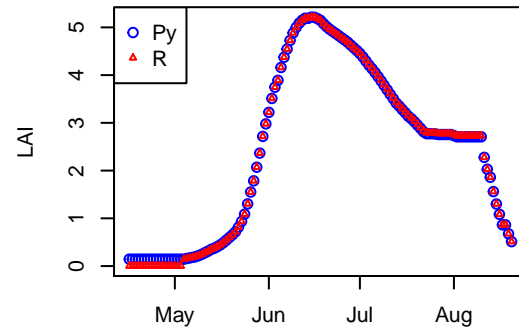
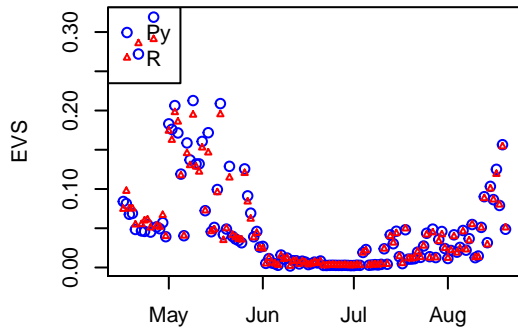


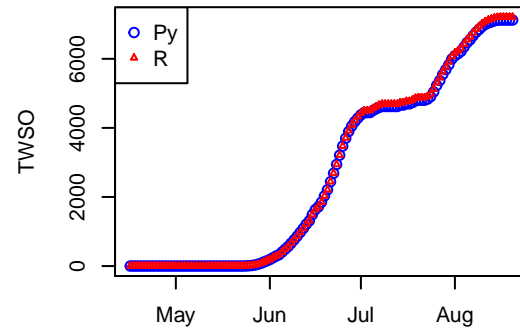
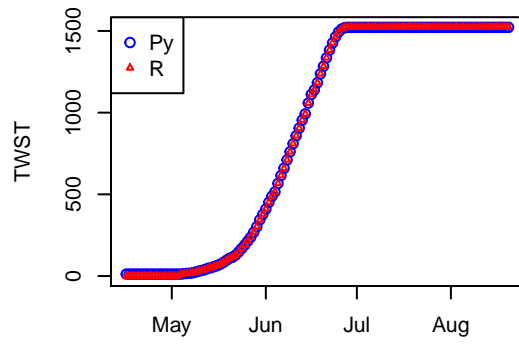
```
## [1] "waterlimitedproduction 38"
```



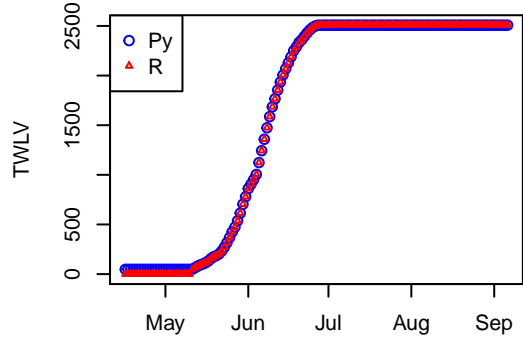
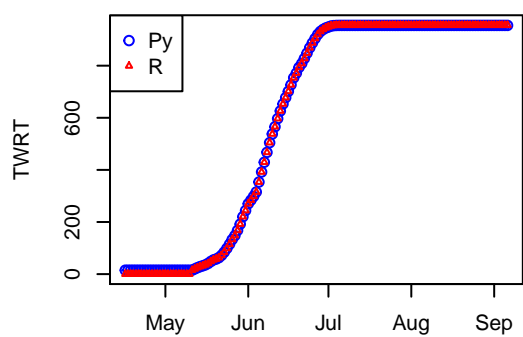
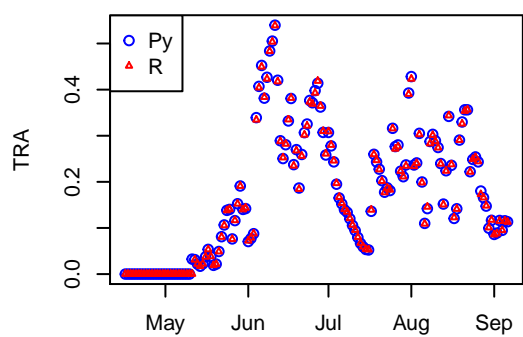
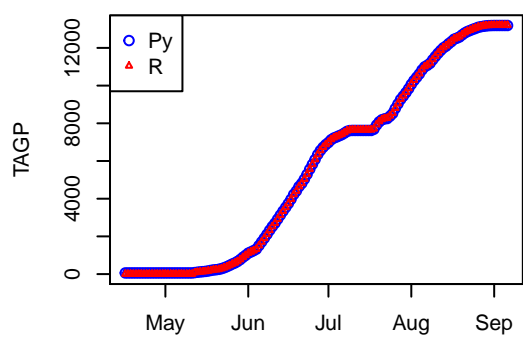
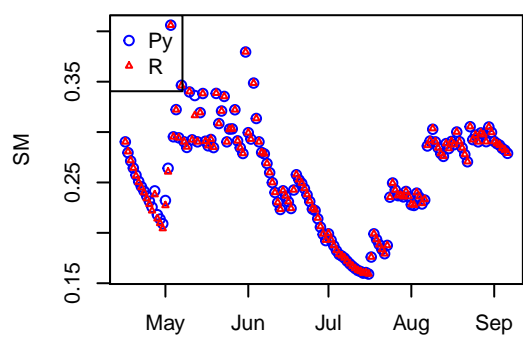
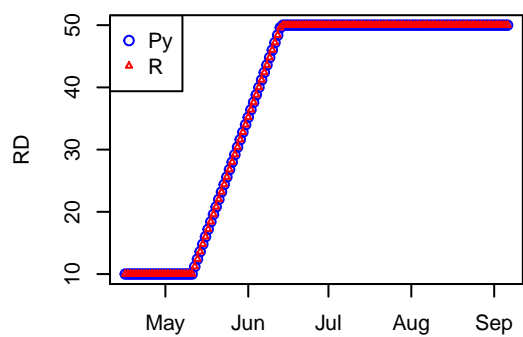
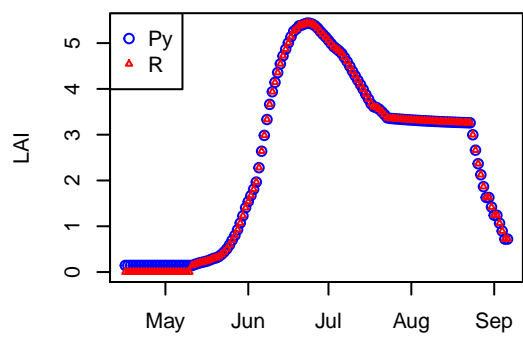
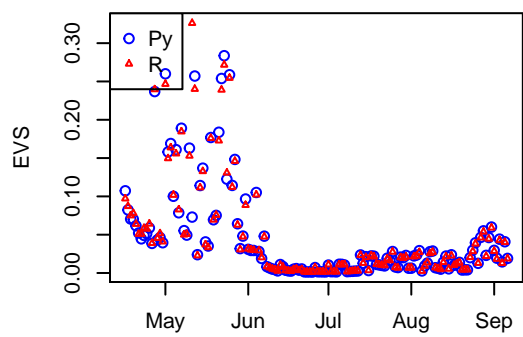


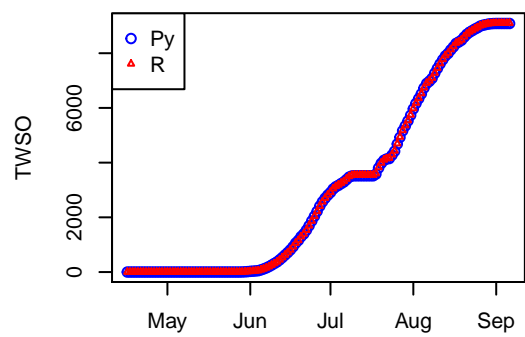
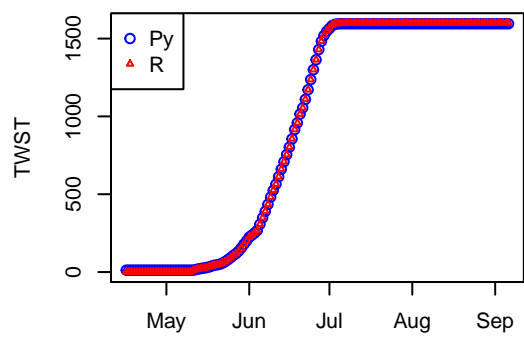
```
## [1] "waterlimitedproduction 39"
```



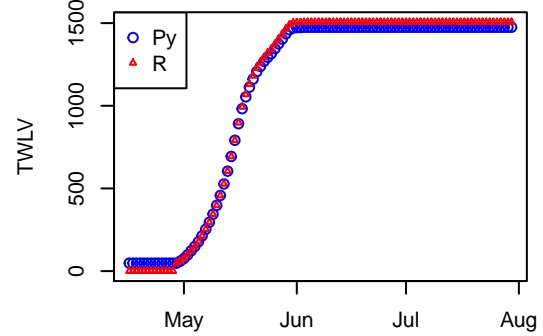
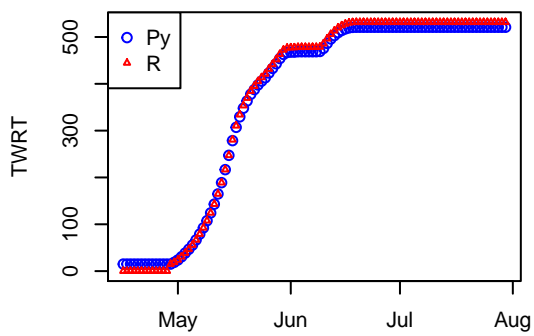
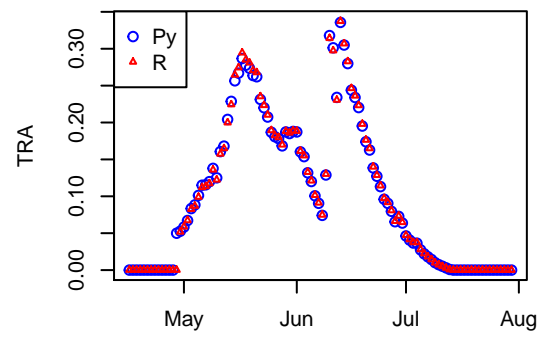
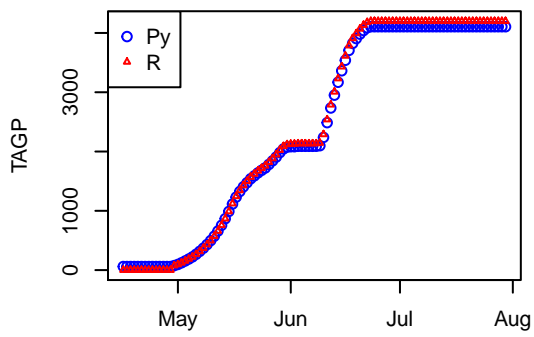
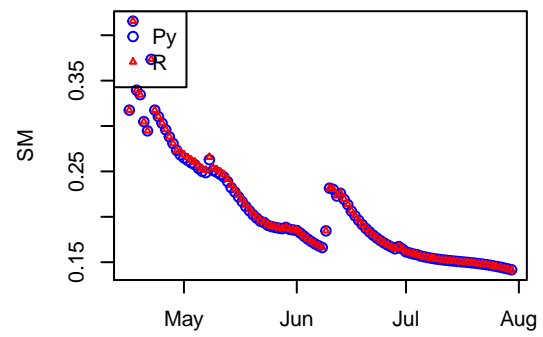
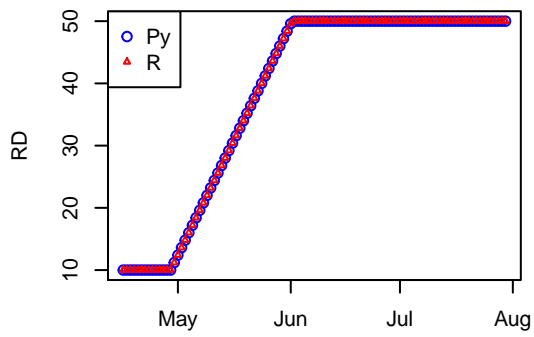
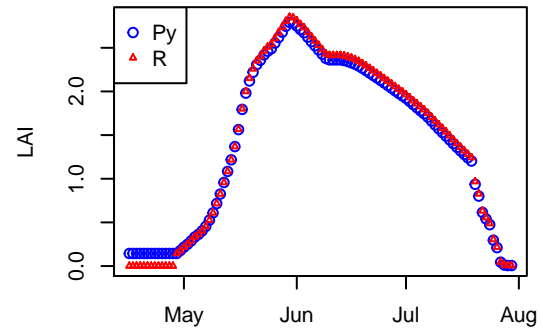
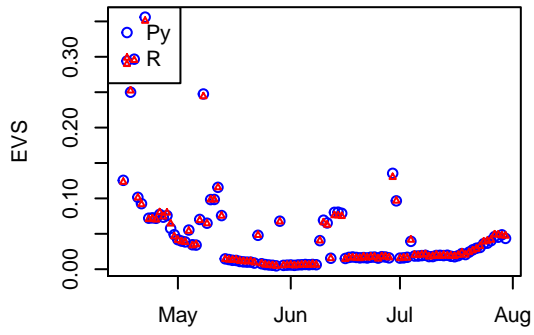


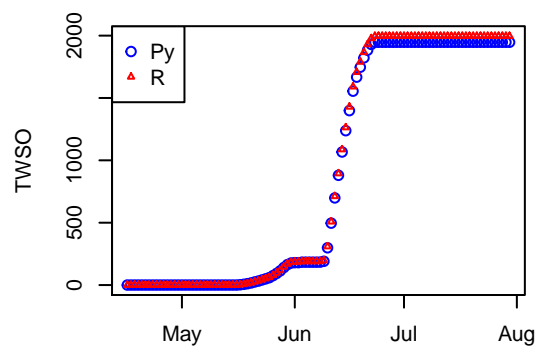
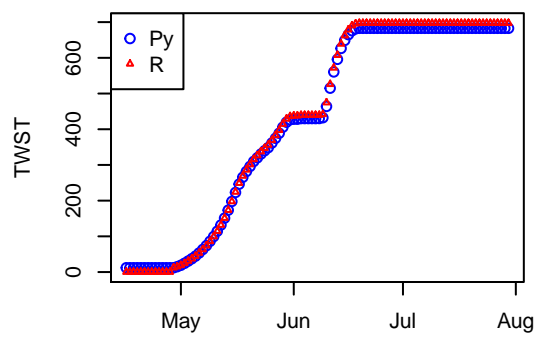
```
## [1] "waterlimitedproduction 40"
```



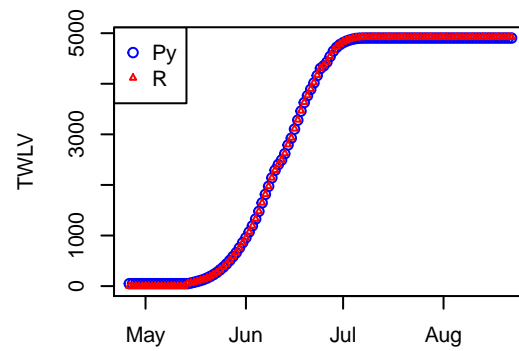
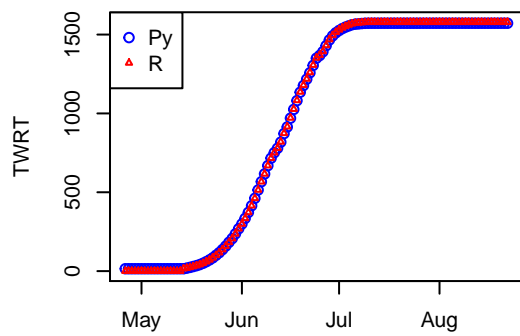
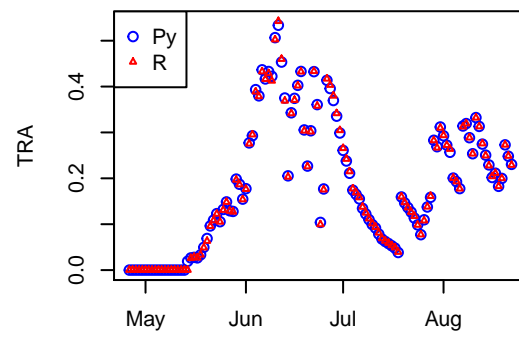
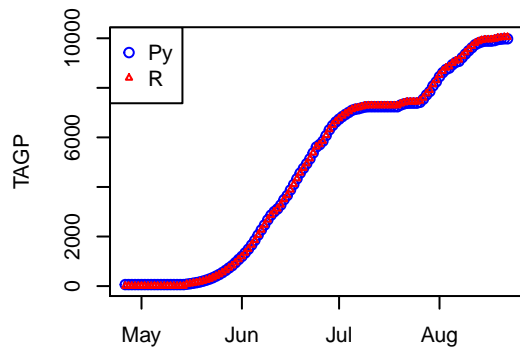
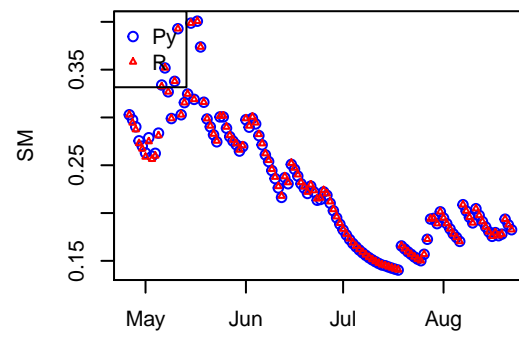
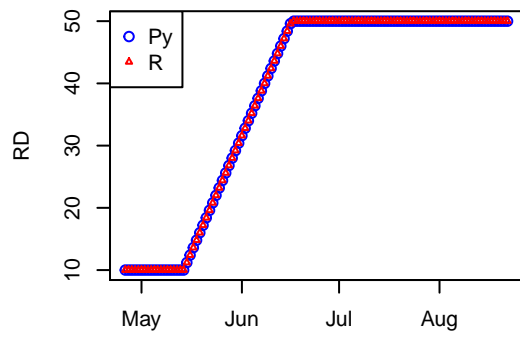
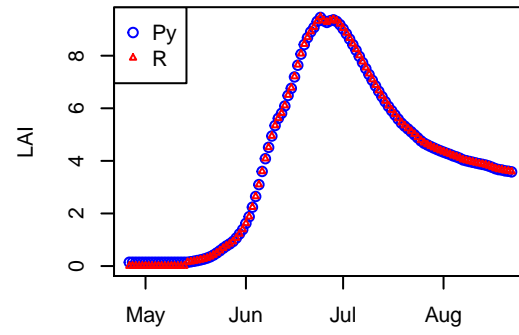
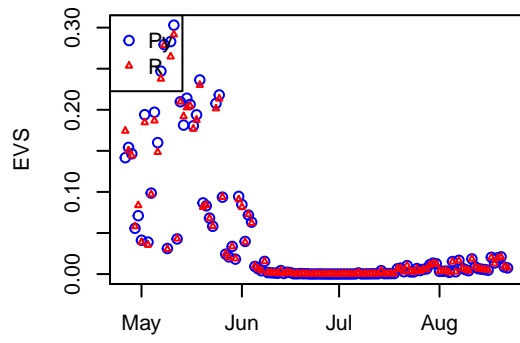


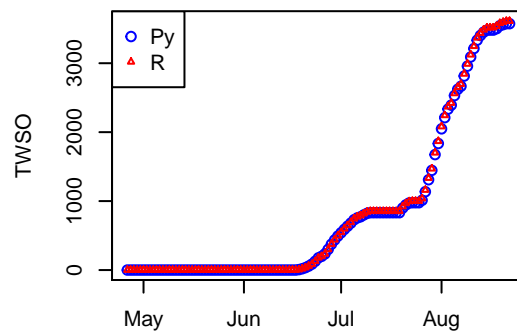
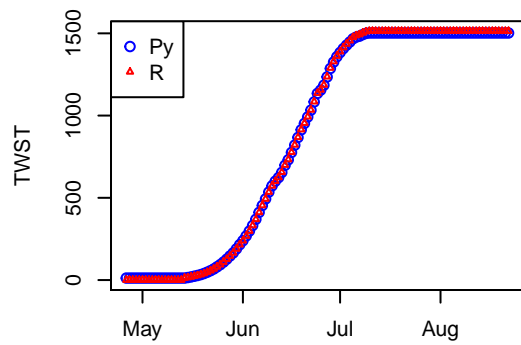
```
## [1] "waterlimitedproduction 41"
```



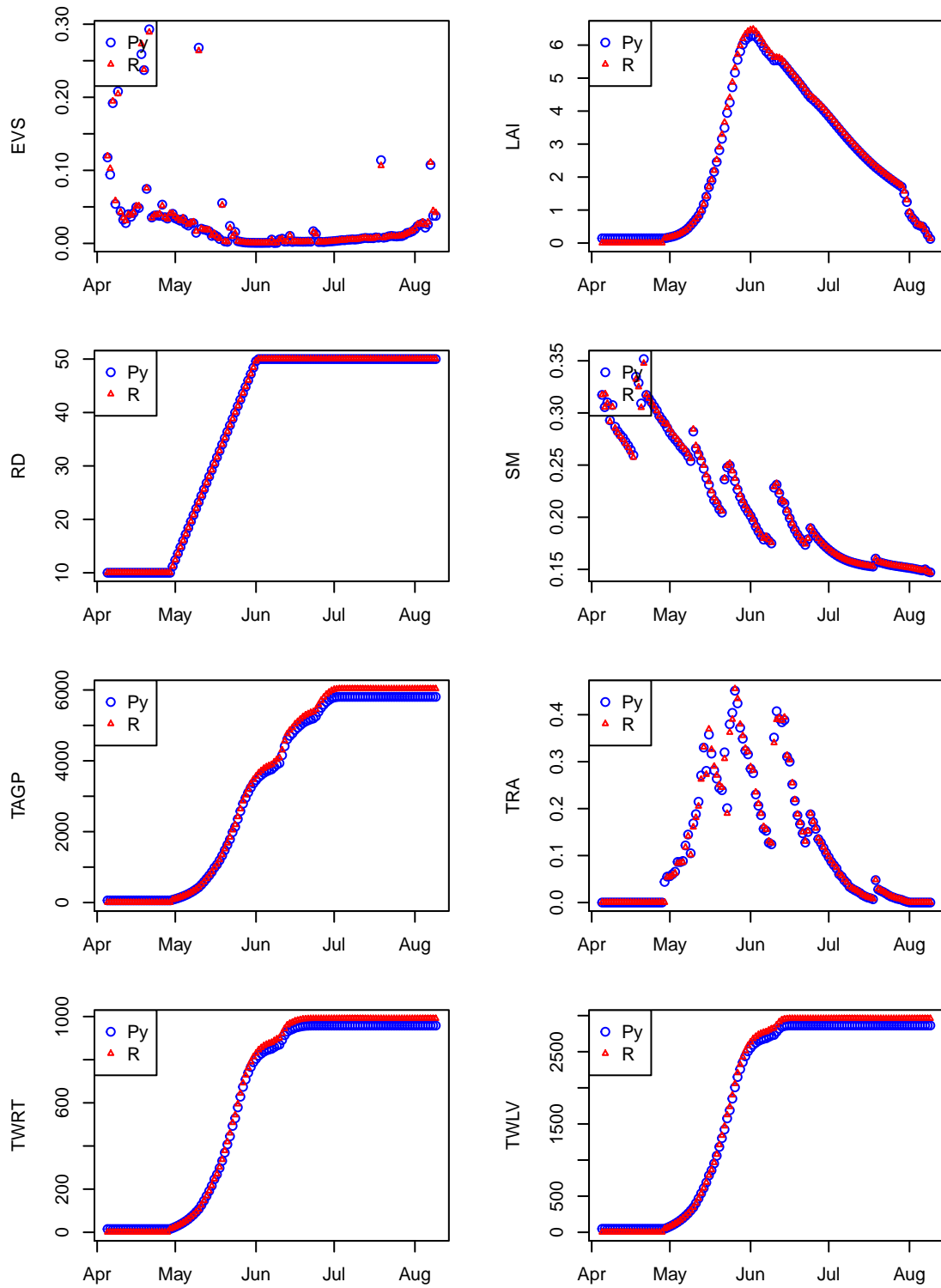


```
## [1] "waterlimitedproduction 42"
```





```
## [1] "waterlimitedproduction 43"
```



```
## [1] "waterlimitedproduction 44"
```

