Loading packages

```
library(tidyverse) ## Data manipulation
library(here)      ## Easy filepaths
library(janitor)   ## Clean column names
library(flextable) ## Output findings in nice table
library(ggthemr)
```

Read in Data

```
clim_df <- read_table(here("clim.txt")) %>%
  clean_names()
```

Source Function

```
source(here('almond_profit_function.R'))
```

Application of Function to clim.txt

```
profits_per_year <- almond_profit(clim_df, almond_price = 4036, average_yield = 50)

profit_model <- tibble(
  year = unique(clim_df$wy),
  profits = profits_per_year
)
profit_model
```

```
# A tibble: 22 x 2
    year    profits
   <dbl>      <dbl>
 1  1989      8721.
 2  1990   1952370.
 3  1991  13988052.
 4  1992   3193175.
 5  1993   4135794.
 6  1994    577122.
 7  1995 387518236.
 8  1996    844638.
 9  1997  66590073.
10  1998   5690745.
# i 12 more rows
```

```
ggthemr('flat dark', type ='outer', layout= 'scientific')
ggplot(profit_model, aes(x = year, y = profits)) +
  geom_col()
```