**test\_2023\_regen\_plot\_input.Rmd**

write.xlsx(acre\_location\_avg\_2023, "regen\_per\_acre\_by\_wall\_location\_2023\_alpha\_untidy.xlsx") # line 875

```{r, per acre average with location for all stands}

# do you need to use the denominator for location rather than for walls? The location variable uses wall\_denom when "location" is part of the group\_by (11/1/2024)

# Yes, otherwise if there are unequal numbers of plots by location then the location levels won't be comparable. (10/31/2024)

acre\_location\_avg\_2023 <- point\_avg\_2023 |>

group\_by(stand, wall, status,location, spp) |>

summarize(

type = first(type),

cut = first(cut),

n = n(),

wall\_denom = mean(wall\_denom),

sup.seed01acx = sum(sup.seed01ac, na.rm = TRUE) / first(wall\_denom),

sup.seed02acx = sum(sup.seed02ac, na.rm = TRUE) / first(wall\_denom),

sup.seed03acx = sum(sup.seed03ac, na.rm = TRUE) / first(wall\_denom),

sup.saplacx = sum(sup.saplac, na.rm = TRUE) / first(wall\_denom),

exp.seed01acx = sum(exp.seed01ac, na.rm = TRUE) / first(wall\_denom),

exp.seed02acx = sum(exp.seed02ac, na.rm = TRUE) / first(wall\_denom),

exp.seed03acx = sum(exp.seed03ac, na.rm = TRUE) / first(wall\_denom),

exp.saplacx = sum(exp.saplac, na.rm = TRUE) / first(wall\_denom),

clump\_ac\_small = sum(clump\_ac\_small, na.rm=TRUE),

clump\_ac\_med = sum(clump\_ac\_med, na.rm=TRUE),

clump\_ac\_large = sum(clump\_ac\_large, na.rm=TRUE),

clump\_ac\_sapl = sum(clump\_ac\_sapl, na.rm=TRUE),

avg\_ramet\_size = mean(avg\_ramet\_size, na.rm = TRUE)

) |>

mutate( occupancy = n / wall\_denom \* 100 ) |>

mutate( season = "2023", year = 2023, cut = 0

) |>

mutate\_if(is.numeric, round, 0)