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

**write.xlsx(acre\_origin\_avg\_2023, "regen\_per\_acre\_by\_wall\_origin\_2023\_alpha\_untidy.xlsx") # line 892 (13nov2024)**

```{r within a wall per acre x stem origin }

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

left\_join(wall\_denom\_sums, by = c("stand", "wall", "status")) |>

# use "wall\_denom\_sums" which adds the wall\_denom for interior and perimeter together

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

summarize(

type = first(type),

cut = first(cut),

season = first(season),

year = first(year),

cut = first(cut),

wall\_denom\_sum = first(wall\_denom\_sum),

n = n\_distinct(point),

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

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

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

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

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

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

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

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

clump\_ac\_small = sum(clump\_ac\_small, na.rm=TRUE)/ first(wall\_denom\_sum),

clump\_ac\_med = sum(clump\_ac\_med, na.rm=TRUE)/ first(wall\_denom\_sum),

clump\_ac\_large = sum(clump\_ac\_large, na.rm=TRUE)/ first(wall\_denom\_sum),

clump\_ac\_sapl = sum(clump\_ac\_sapl, na.rm=TRUE)/ first(wall\_denom\_sum),,

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

.groups = "drop"

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

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

```