Sourced from >> **test\_2023\_regen\_plot\_input.Rmd**

point\_summed <- point\_avg\_2023 |>

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

ungroup () |>

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

summarize(

type = first(type),

cut = first(cut),

season = first(season),

year = first(year),

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

sup.seed01acx = sum(sup.seed01ac, na.rm = TRUE),

sup.seed02acx = sum(sup.seed02ac, na.rm = TRUE),

sup.seed03acx = sum(sup.seed03ac, na.rm = TRUE),

sup.saplacx = sum(sup.saplac, na.rm = TRUE),

exp.seed01acx = sum(exp.seed01ac, na.rm = TRUE),

exp.seed02acx = sum(exp.seed02ac, na.rm = TRUE),

exp.seed03acx = sum(exp.seed03ac, na.rm = TRUE),

exp.saplacx = sum(exp.saplac, na.rm = TRUE),

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\_if(is.numeric, round, 0) |>

arrange(stand, wall, status, spp, point)

Sourced from >> **test\_2023\_regen\_plot\_input.Rmd**

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

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

summarize(

type = first(type),

cut = first(cut),

season = first(season),

year = first(year),

n = n(),

wall\_denom\_sum = first(wall\_denom\_sum), # Keep wall-level `wall\_denom\_sum` for each `status`

avg\_sup\_seed01acx = sum(sup.seed01acx, na.rm = TRUE) / wall\_denom\_sum,

avg\_sup\_seed02acx = sum(sup.seed02acx, na.rm = TRUE) / wall\_denom\_sum,

avg\_sup\_seed03acx = sum(sup.seed03acx, na.rm = TRUE) / wall\_denom\_sum,

avg\_sup\_saplacx = sum(sup.saplacx, na.rm = TRUE) / wall\_denom\_sum,

avg\_exp\_seed01acx = sum(exp.seed01acx, na.rm = TRUE) / wall\_denom\_sum,

avg\_exp\_seed02acx = sum(exp.seed02acx, na.rm = TRUE) / wall\_denom\_sum,

avg\_exp\_seed03acx = sum(exp.seed03acx, na.rm = TRUE) / wall\_denom\_sum,

avg\_exp\_saplacx = sum(exp.saplacx, na.rm = TRUE) / wall\_denom\_sum,

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

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

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

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

avg\_avg\_ramet\_size = sum(avg\_ramet\_size, na.rm = TRUE) / wall\_denom\_sum, #maybe want straight "mean"?

.groups = "drop" # Remove grouping to prevent duplicates in further operations

)|>

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

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

arrange(stand, wall, status, spp, type, cut, season, n)