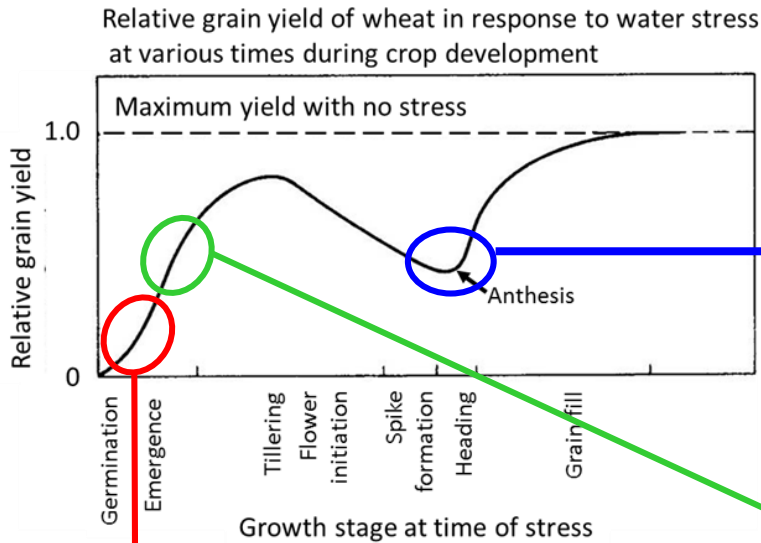


- Project Marginal Region Agriculture -

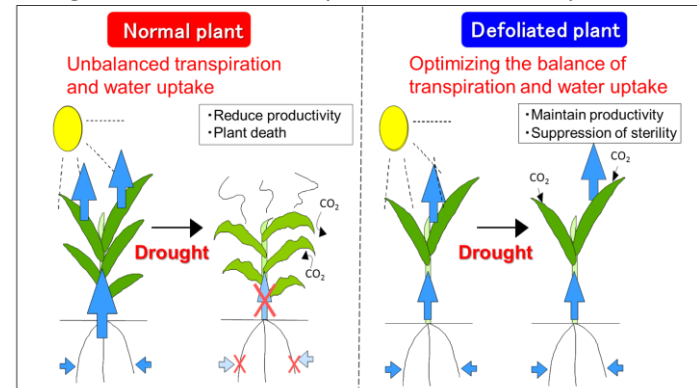
Development of appropriate crop cultivation technology in dryland

Increase crop yield in dryland by developing appropriate crop cultivation technology (simple and low/no cost) which can mitigate drought stress in susceptible growth stage (germination/emergence, seedling, flowering)



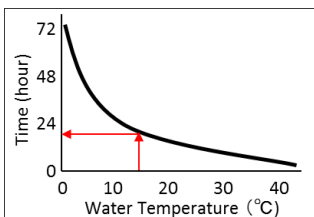
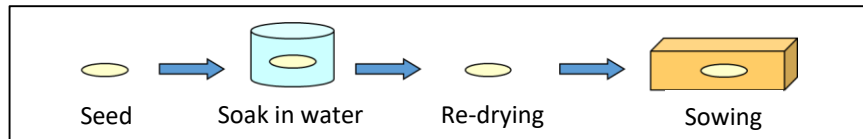
Defoliation

Reduce sterility and enhance productivity in ripening stage by excising lower parts of leaves (defoliation) to mitigate drought stress through optimizing the balance of transpiration and water uptake



Seed hardening

Enhance germination, emergence and seedling establishment under drought by clarifying the optimum condition of seed hardening treatment (sequence of seed soaking in water and re-drying before sowing)



Drought hardening

Enhance rooting and growth after transplanting under drought by using the phenomenon of drought hardening (expose to moderate stress in early stage before severe stress in late stage after transplant)

