

**DUST MITIGATION with local native plants--Stop the dust with a solid cover of native plants--using small-scale test plots, to invent the successful planting methods – [www.ecoseeds.com/dust.pdf](http://www.ecoseeds.com/dust.pdf)**



**Eight Key Points—Inventing successful methods to plant local native plants to mitigate dust problems:**

- 1.) Always use local ecotypes** of native seeds, NEVER exotic seeds, or cultivars with the original collection site too far away. Planting non-local native seeds will fade over time, if not locally adapted.
- 2.) Each test plot** treatment should be very small--one by two meter plot is sufficient. If your planting methods or sowing rates do not work on two square meters, it will not work on acres.
- 3.) Never sow native seeds in a mix**--*always sow individual species in a mosaic*. Natives can fight each other as seedlings. Learn the effects of different plants fighting each other with their allelochemicals.
- 4.) Expect test plots** may initially produce many failures-- there is a 7 in 10 chance of failure when sowing native seeds in the arid West—as the 2017 Pilliod-USGS review of native seeding projects reported.
- 5.) Invent successful methods** in your test plots first, then, larger-scale plantings can work 100% every time. Share what worked and what did not work, the sowing rates and what dormant seeds were found.
- 6.) Pay close attention to the dormant native seeds** in the soil—When they are abundant, you can skip sowing any more seeds. My California projects, are finding 200 pounds of dormant native seeds per acre.
- 7.) If cows must be permanently removed to end the dust**—A rancher’s net income on unirrigated Western range, only \$1 per acre per inch of rainfall. Help convert ranchlands to carbon sequestration sites, to produce 10-20x the income for ranchers. Credits needed by States, to become carbon neutral.
- 8.) Consider, you may want to get some licensed Ecological Restoration technologies**, from the private sector restoration professionals, to accelerate the inventing process and the test plot work and results.

Copyright © 2021 by Craig Dremann, The Reveg Edge, P.O. Box 361, Redwood City, CA 94064 - [craig@ecoseeds.com](mailto:craig@ecoseeds.com)

Office: 650-325-7333 -- *Inventing licensed arid lands Ecological Restoration technologies since 1992*

*Photo: Sown gas pipeline north of Reno in sagebrush desert, producing 100% native cover in six months.*