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(715) 658-2767

RED CEDAR AG

COMMUNITY WEIGHTED GROWTH RATE (CWGR)

SEE IT IN THE FIELD

Acres: 17766

	2024	2025
% High Risk	22.40%	18.90%
% Moderate Risk	28.20%	14.0%
% Low Risk	49.40%	67.10%

About

Community-weighted Growth Rate (CWGR) is a measure of how fast the bacteria in a soil sample are likely to grow. As bacteria grow, they use nutrients and release carbon dioxide, which affects soil fertility and carbon storage. To calculate CWGR, each type of bacteria is assigned a growth score based on its genetics, reflecting how quickly it can divide. These scores are weighted by how abundant each bacterial group is in the soil and then averaged to produce a single value for the whole community. Because the score represents the time it takes bacteria to divide, higher numbers indicate slower-growing, more stable microbial communities. In general, a higher CWGR suggests healthier, more resilient soil.



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