

CALIFORNIA AG

CAS
SOLUTIONS

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COVER CROPS

A systems approach to building soil health.

California Ag Solutions is a full-service cover crop provider. From sourcing and seeding to management all the way through, we're here to help you. Our team checks fields and helps manage C:N ratio while maximizing the additional nutritional benefits and preventing undesired cover crop impacts.

Key Benefits

- Increase water holding capacity.
- Improve water infiltration.
- Reduce herbicide use.
- Diversify and increase microbiology.
- Attract beneficial insects and microbes.
- Reduce soil compaction.

Types of Cover Crops



Broadleaves



Legumes



Grasses



Brassicas



Key Details

- Cover Crops **introduce new and diverse microbes** to the soil that make nutrients more available and easier for plant uptake.
- Microbes from cover crops **help aggregate soil** to improve overall health.
- Cover crops **increase organic matter** in the soil. The higher the organic matter, the greater the holding capacity becomes. Thus conserving moisture, and helping avoid run off.
- Cover Crop root systems create pathways for **faster water infiltration** to avoid excess surface water and can relieve compaction, improving overall soil structure.
- Having your soil covered at all times helps to **reduce wind and water erosion** of the top layer.
- Cover crops **can suppress weeds** by creating a canopy to block light interception, greatly reducing weed chlorophyll production.
- Attracting beneficial insects with Cover Crops can **reduce pest pressure**.



Legumes

- Aid in fixing Nitrogen from the atmosphere and adding it to the soil.

Grasses

- Grasses are great scavengers. They are very effective in utilizing nutrients left over from the previous crop. Grasses establish rapidly and tend to have an extensive root system.

Brassicas

- Brassicas act as biofumigants, aiding in suppressing soil pests, pathogens, and root parasites.

Broadleaves

- Broadleaves attract a wide variety of pollinating insects and have quick and vigorous growth.

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CAS strives to help California farmers adopt conservation tillage, strip-till, and no-till under local-complex soil, water, and cropping systems. CAS provides the experience and technical support necessary for your ongoing success.

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POWER2GRO
CROP PRODUCTION SYSTEM

POWER2GRO is an integrated approach to plant and soil management which is customized to address the unique challenges on your farm. The POWER2GRO crop production system will improve your yields, your soils, and ultimately build a healthy foundation for the long-term success of your farm.

Contact us now to learn more and to schedule an on-site visit.

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