**Name of New Practice Proposed:**

**Full name of the Submitter:**

**Contact information:**

**Email:**

**Work Phone:**

**Organizational affiliation:**

**Instructions:**

* One proposal per practice
* Provide answers to all questions.
* Detailed guidance and/or requirements for answering each question is included in *blue text* in this template and should be deleted in the final submission.
* The proposal should not exceed five pages including this cover page and References.
* Supporting documents can be added to the end of the proposal beyond the five-page limit, or as a single separate file named as “Practice name\_supporting documents\_your last name”.

1. Provide a brief description for the proposed practice.

*The description/summary should include the concept of the proposed practice, how it is implemented, the time required, and the timeline to be followed in its implementation.*

­­­2. Describe whether implementation of the proposed practice can be expected to achieve quantifiable GHG reduction and/or carbon sequestration benefits.

*All information should be based on available research literature. Indicate clearly whether the data cited is based on field trial(s), modeling, or a combination of both. In-text citations should be included here, and the full citations provided under References. In addition, a brief discussion may be made of the mechanisms underlying the proposal's expected benefits.*

3. Describe the California-specific data/studies available to demonstrate that the proposed practice can reduce GHG emissions, increase soil carbon sequestration and improve soil health. If relevant available studies are not from California, describe how they are related/applicable to CA climate and agricultural systems.

*Describe the results available for all three of these areas of concern. Explain how the proposed practice can be adopted in California and benefits CA agriculture.*

4. Discuss whether the practice has potential to increase crop production, or to provide any other co-benefits that promote climate resilience.

*Describe any potential economic and environmental benefits of the practice.*

5. Describe any potential adverse environmental impacts, either broadly or under specific conditions.

*List any potential adverse environmental impacts from the proposed practice, describing their probability and degree of impact. If there are none, provide an explanation of that conclusion.*

6. Describe any limitations or restrictions for successful implementation of this practice such as local climate, soil type, crop type, and/or other factors.

*List any potential challenges, limitations, or restrictions, and any measures to avoid or overcome them.*

7. Additional information on the proposed practice, as applicable.

*For example, for practices involving soil additives and/or amendments, provide a discussion of the environmental impacts for their use and materials’ safety, waste management and disposal procedures.*

**References**

*Klemedtsson L, von Arnold K, Weslein P, Gundersen P. 2005. Soil CN ratio as a scalar parameter to predict nitrous oxide emissions. Global Change Biology 11:1142–1147.*