

# IRRIGATION AND NITROGEN MANAGEMENT PLAN (INMP) SUMMARY REPORT INSTRUCTIONS

Irrigation and Nitrogen Management Plan (INMP) Summary Reports are completed using information from the INMP Worksheet. Steps for completing the INMP Summary Report reference the box numbers on the INMP Worksheet. INMP Summary Reports must be kept on farm for all fields/parcels and made available upon request during inspections by the Central Valley Regional Water Quality Control Board (Regional Board).

Each section heading below (all CAPS) corresponds to the page heading followed by instructions to complete each of the “steps” on the INMP Summary Report. All information corresponds to fields on the INMP Worksheet that have asterisks next to them.

## ILRP PARCEL AND FIELD INVENTORY (PAGE 1)

### Step 1: General Information

Enter the membership identification number (**Member ID#**) issued by your water quality coalition and the **Member Name** associated with this membership.

Enter the **Crop Year (Harvest)** based on the calendar year in which the crop was harvested. Fertilization does not need to occur within the same calendar year to be considered a part of the current crop year.

### Step 2: Field and Parcel Inventory

Use this table to account for all parcels for which an INMP Summary Report is required.

Enter the **Assessor’s Parcel Number (APN)** and **County** for each parcel for which reporting is required.

Enter the **Crop** name (almonds, walnuts, table grapes, wine grapes, raisin grapes, watermelons, canning tomatoes, fresh market tomatoes, etc.). Check with your Coalition regarding specific crop naming conventions. If you have a permanent crop, enter the **Crop Age** (in years).

Enter the **Irrigated Acres** for each parcel or portion of parcel to which this plan applies.

Multiple parcels, portions of parcels, or fields may be included in a single plan if they all have the same:

- Crop
- Fertilizer inputs
- Irrigation management
- Nitrogen management practices

Use the **Comments** box to provide any further information that may be pertinent to the data reported on the Summary Report (e.g. fields experienced drought, pest, or salt stress, fields that were not harvested due to economic reasons, etc.).

## IRRIGATION and NITROGEN MANAGEMENT PLAN (INMP) SUMMARY REPORT (PAGE 2)

### Step 1: General Information

Enter the following information:

- **Member ID** for which the Summary Report is required

- **Forms Completed by:** Name of the person submitting the Summary Report. This may or may not be the name on the Coalition membership.
- **Crop Year (Harvested).** The crop year should be based on the calendar year in which the crop was harvested. Fertilization does not need to occur within the same calendar year to be considered a part of the current crop year.
- **Submittal Date** of the Summary Report to the Coalition

#### Step 2: Outlier Notification Receipt

Check the box to indicate whether any fields were considered outliers in the previous crop year. Please contact your Coalition with any questions regarding this information.

#### Step 3: INMP Certification Method

Plans for parcels in a **High Vulnerability Area (HVA)** to groundwater must be certified. Check the box associated with the method of the certification on the INMP Worksheet. Contact your Coalition for more information regarding groundwater vulnerability and certification requirements.

#### Step 4: INMP Summary Report

Enter the **Field or Management Unit**, **Crop**, **Crop Age** (in years, for perennial crops), and **Total Irrigated Acres** from the Parcel Inventory Sheet. Fill in the following information from the post-season **Actuals** columns of your INMP Worksheet:

- **N in Irrigation Water (10B).** Enter the amount of nitrogen applied via irrigation water over the course of the crop year in pounds per acre. This value is calculated based on the *actual* crop irrigation and irrigation water N concentration. To calculate N in irrigation water, use the following formula:  

$$\text{N concentration (ppm or mg/L)} \times \text{inches of irrigation applied} \times 0.226$$

Nitrate as nitrogen is also referred to as Nitrate as N, nitrate-nitrogen, or NO<sub>3</sub>-N.
- **Organic Amendments (11B).** Enter the amount of nitrogen applied from sources that do not have a guaranteed nutrient content, such as compost and manure applications, in pounds per acre. Contact your coalition for more resources regarding the nitrogen content of organic amendments.
- **Dry/Liquid Fertilizer N (12B).** Enter the amount of Dry/Liquid Fertilizers applied throughout the crop year. Fertilizers include any nitrogen-containing product with a guaranteed nutrient content. This number should be reported as the amount of nitrogen applied as pounds per acre; this may be different than the amount of fertilizer applied which may include other nutrients.
- **Foliar Fertilizer N (13B).** Enter the amount of foliar nitrogen applied to the crop canopy or above ground plant parts throughout the crop year, in pounds per acre.
- **Harvested Yield\* (7B).** This includes all crop yield harvested for the season. *If you grow grain crops and harvest straw separately, contact your Coalition.*
- **Production Unit (6).** Enter the units in which your per acre yield is reported (e.g. tons, pounds, bins, cartons, bales, etc.); refer to your Coalition for specific production unit lists. If you use a production unit that is not pounds or tons, please provide the weight of the reported unit (i.e. “28 lb lug boxes” instead of “lug boxes”), as crops often have multiple possible harvest production units.

- **Yield Info** – use this column to provide additional information about your yield, such as nonbearing crops, crops not harvested, or the type of harvest (e.g. silage, grain).

### **IRRIGATION AND NITROGEN MANAGEMENT PRACTICES (PAGE 3)**

For each of the types of irrigation practices listed, check all boxes that apply

- **Irrigation Method (1)**. Check the box to indicate the irrigation method used the most for crop irrigation (primary irrigation) during the growing season for each field/management unit being reported. If applicable, indicate any secondary irrigation systems. Secondary irrigation systems include those used for crop germination, frost protection, crop cooling, or salinity management.
- **Irrigation Efficiency Practices (5)**. Check all boxes that apply to indicate irrigation efficiency practices used on your fields during the season. Indicate if, to your knowledge, the parcels have been laser leveled.
- **Nitrogen Efficiency Practices (8)**. Check all boxes that apply to indicate any nitrogen efficiency practices used on your fields during the season.