Hawaii response to AHETF Proposed Chemigation Questions for use by USDA:
September 13, 2004

See the table below to respond to Questions 1 – 4.

1. What types of systems do you use for chemigation? Several types are listed in the table below. Provide responses for the types you use. Additional types can be added if necessary.

2. What type of crop do you grow using each of the chemigation systems?

3. How many acres does your chemigation system cover? Please list average or range of acres for each system you use for each crop.

4. How many mixing/loading events are made in a typical day for each type of chemigation system?

Use the following table, as appropriate, to respond to Questions 1 - 4,

<table>
<thead>
<tr>
<th>Type of System</th>
<th>Predominant crops</th>
<th>Acres Covered by System</th>
<th>No. of Mixing/Loading Events/Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Pivot</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Traveling gun</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Motorized lateral move</td>
<td></td>
<td></td>
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<tr>
<td>Solid set</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Portable (Wheel move, end tow, hand move)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drip</td>
<td>Tomato</td>
<td>500 out of 580</td>
<td>1/Week</td>
</tr>
<tr>
<td>Drip</td>
<td>Watermelon</td>
<td>450</td>
<td>1/Week</td>
</tr>
<tr>
<td>Drip</td>
<td>Bell Pepper</td>
<td>220</td>
<td>1/Week</td>
</tr>
<tr>
<td>Drip</td>
<td>Cucumber</td>
<td>150 out of 390</td>
<td>1/Week</td>
</tr>
</tbody>
</table>

5. How does mixing/loading a product into a chemigation system occur?

a. What percent of the mixing/loading events require some type of mixing?
   - % with mixing (Example- nurse tank) 100%
   - % without mixing (Example - injection system) __

b. If a product requires mixing prior to being loaded into the chemigation system,
i. What percent of the mixing/loading events occur off-site, loaded into a nurse tank and then delivered into the chemigation system from the nurse tank and what percent of the mixing/loading events are mixed at the chemigation site?

\[
\begin{align*}
\text{% off-site mixing} & \quad \_\_ \_ \\
\text{% on-site mixing} & \quad 100\% 
\end{align*}
\]

c. When mixing/loading occurs off-site into a nurse tank, what percent of the mixing/loading events utilize a closed or a open delivery system?

i. % closed system \_\_\_ \\
ii. % open system \_\_\_\_ \\
iii. Other (specify) \_\_\_\_

d. If mixing occurs at the chemigation site, what percent of the mixing/loading events utilize a closed or a open delivery system?

i. % closed system \_\_\_ \\
ii. % open system \_\_\_\_ 100\%

e. If no mixing is required (that is, the product is loaded or transferred from the product container into the chemigation system), what percent of the mixing/loading events utilize a closed or a open delivery system?

i. % closed \_\_\_\_ \\
ii. % open \_\_\_\_