


HOW TO USE THE LITMUS AMMONIA INDICATOR

New, Low Cost, Easy to Use Solutions
for Ammonia Level Maintenance



6 STEPS TO USING LAI

1. OPEN LAI
 2. MARK LAI
 3. HANG LAI
 4. RETRIEVE LAI
 5. INTERPRET LAI RESULTS
 6. FILE LAI
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- A small, yellow speaker icon with sound waves emanating from it, positioned to the right of the second and third items in the list.

Step 1 - OPEN LAI

**OPEN LAI INSIDE THE ANIMAL HOUSING TO PREVENT
PREMATURE EXPOSURE TO AMMONIA**



**USE A PIN KNIFE OR SIMILAR TOOL TO OPEN LAI'S
PROTECTIVE PACKAGING**

Step 2 - MARK YOUR DATA ON LAI

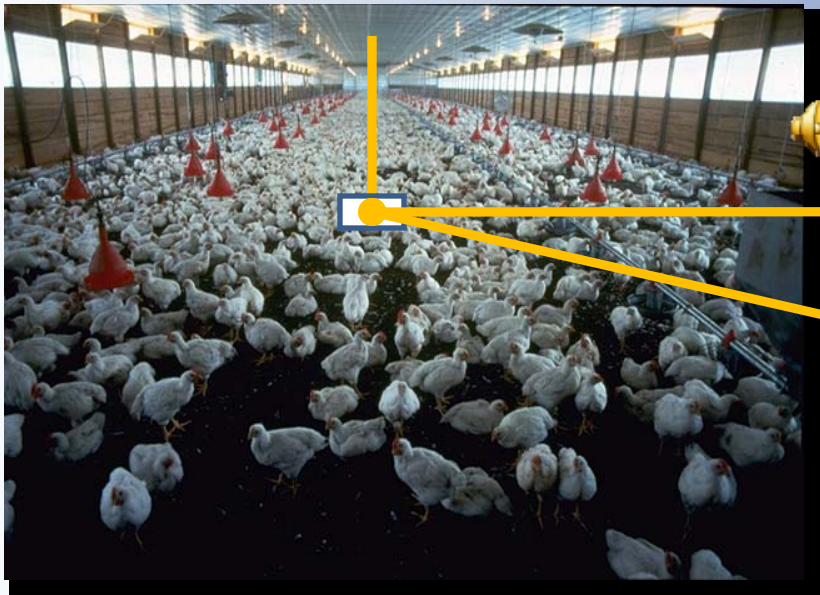


- Date Placed
- Time Placed
- Grower Name
- House Number
- Other helpful information
 - Time
 - Temperature
 - Humidity
 - Timer Settings
 - Etc.



Step 3 - HANG LAI

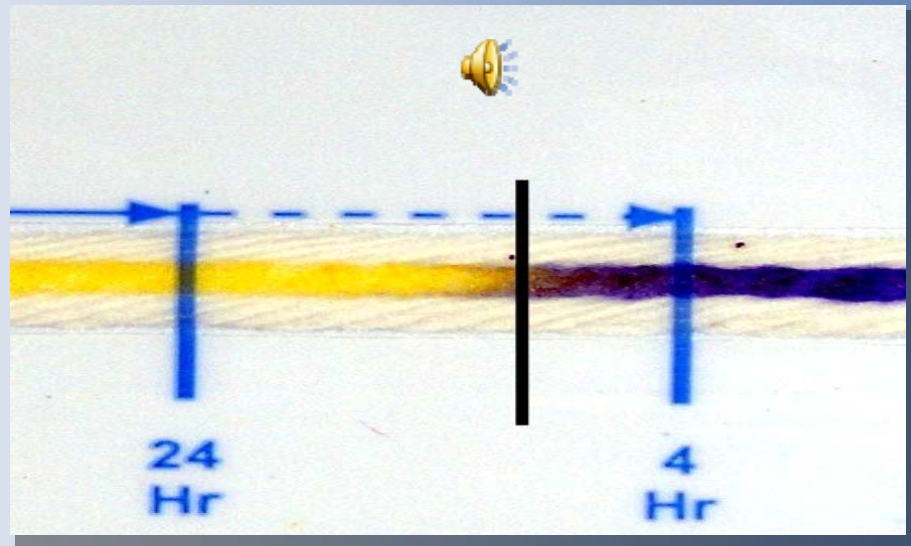
- Attached a cord to an overhead structure
 - Mid house or other
- Attach a large clip to the cord



- Adjust the clip to animal head height
- Attach marked LAI

Step 4 - RETRIEVE LAI

- In 4 hours or 24 hours
 - Be on time – within minutes
- Mark LAI where the color change becomes solid blue

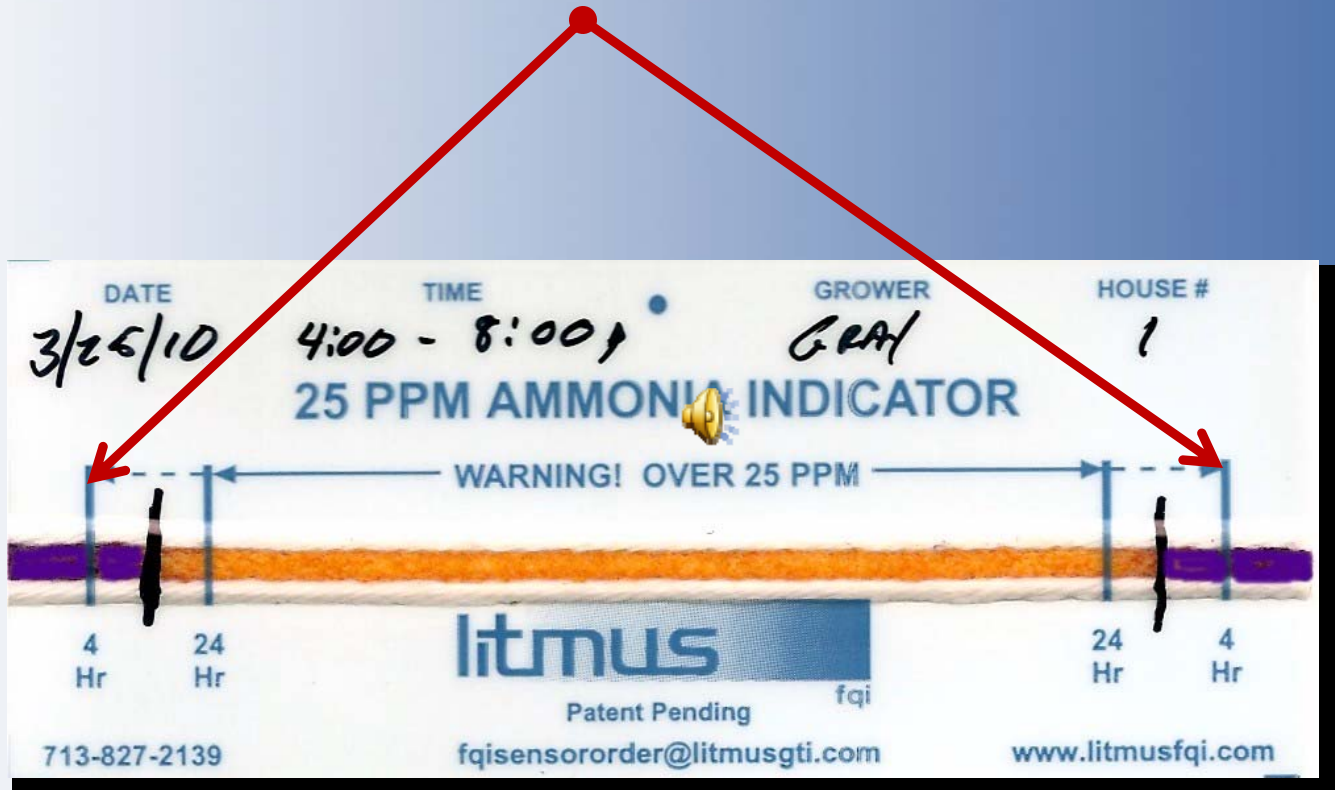


- Remove LAI from the house

Step 5 - INTERPRET LAI RESULTS



■ 4 HOUR AVERAGE AMMONIA LEVEL TARGET

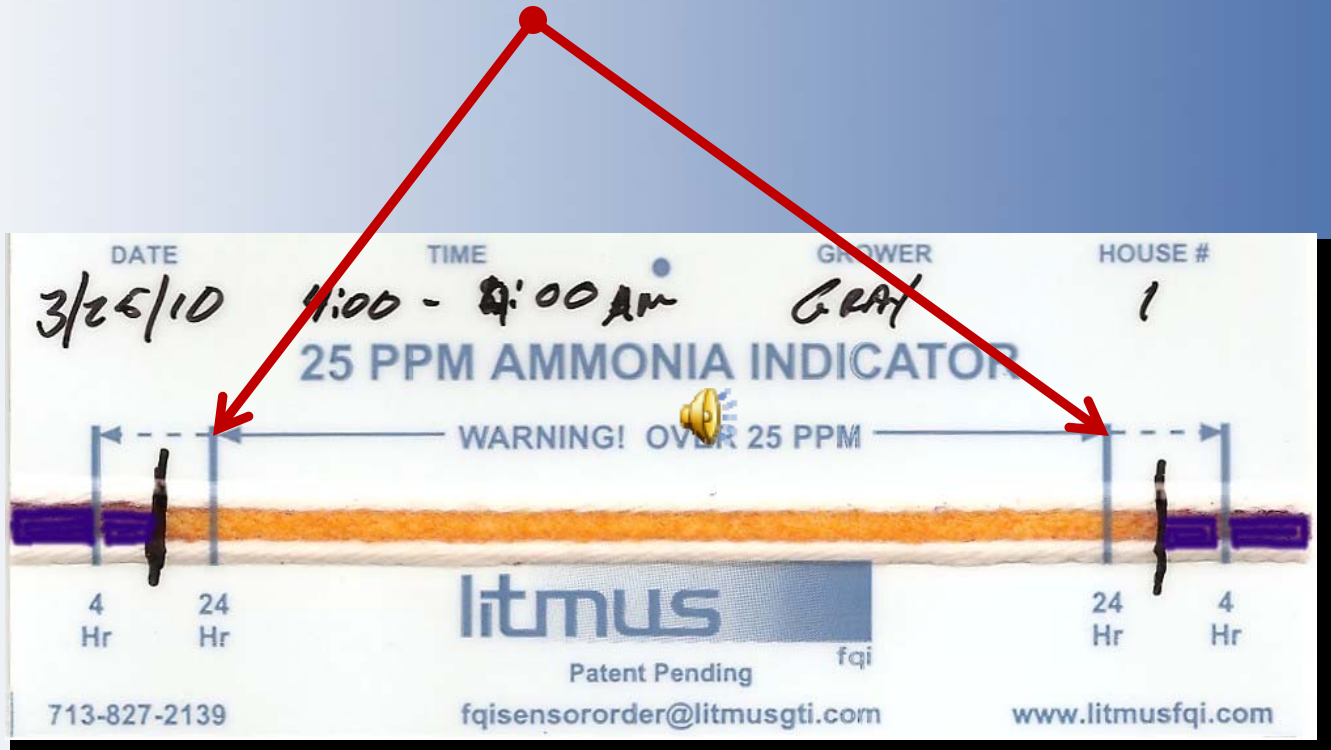


- In this case you are over your target. Make adjustments to lower ammonia levels.
- Replace the LAI

Step 5 - INTERPRET LAI RESULTS



■ 24 HOUR AVERAGE AMMONIA LEVEL TARGET



- In this case you are under your target. No adjustments to lower ammonia are necessary
- Replace the LAI

Step 6 - FILE LAI FOR PERMANENT RECORDS

■ Small File Box or Filing Cabinet



■ A Spreadsheet

Grayson Farms Ammonia Level Averages Records - House #1

| Date | Grower | House # | Target & Performance | Time Placed | Averaging Time | Time/Date Retrieved | Adjustments | Timer Settings |
|-----------|--------|---------|----------------------|-------------|----------------|---------------------|-------------|----------------|
| 2/11/2010 | Gray | 1 | 25 ppm Over | 1:00 PM | 24 hours | 1:00 PM/2/12/10 | 2.00 | x.xx |
| 2/12/2010 | Gray | 1 | 25 ppm Under | 2:00 PM | 4 hours | 6:00PM/2/12/2010 | None | x.xx |
| 2/13/2010 | Gray | 1 | 25 ppm Under | 12:00 PM | 24 hours | 12.00 PM/2/14/10 | None | x.xx |

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