|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample sent by (name, address, cell phone): |  |  |  |  |  |  |  |  |  | **Turf diagnostic laboratory** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Date of sampling: |  |  |  |  |  |  |  | NIBIO Landvik |  |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Grass species: |  |  |  |  |  |  |  |  | Reddalsveien 215 |  |  |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | Cultivar (-s): |  |  |  |  |  |  |  |  |  | N-4886 Grimstad, Norge |  |
|  |  |  |  |  |  |  |  | Age: |  |  |  |  |  |  |  |  |  | cid:image001.png@01D15F2F.4FBCA600 |  |
| Invoice recipient (name, address): | When did the problem appear: |  |  |  |  |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |
| --- |
| **Please, fill in all fields that are relevant** |
| Area of use | Parts infected | Visual symptoms | Distribution of the problem | Drainage |
| Green | Tee | Fairway | Football pitch | Lawn /park | Pasture | Leaves | Crowns | Roots | Patches | Rings | Leave spots | Yellowing  | Wilting | Root rot | Thinning | Nearly 100%dead | Overall | Local | Sporadic | Good | Medium  | Poor |
|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Soil type | Light conditions | Weather prior to symptoms | Site conditions | Irrigation |
| Sandy | Loam | Clay | Organic (peat, compost, other,%)  | pH | Full sun | Partial sun | Shade | Average temp. | Precipitation | Humidity (low, high, medium) | Compacted | Much traffic  | Close to trees  | Slope | Times per week | Amount, mm | When |
| day | night | last week | last month | 04:00-12:00 | 12:00-18:00 | 18:00-04:00 |
|   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Fertilization:** | Date | Product | Rate/100m2 | **Pesticids during last 2 months:** | Date | Product | Rate/100m2 |
|  | \_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_ |  |  |  | \_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_ |
|  | \_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_ |  |  |  | \_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_ |
|  | \_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_ |  |  |  | \_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_ |

**HOW TO TAKE SAMPLES AND SEND THEM TO THE DIAGNOSTIC LABORATORY**

1. SAMPLING:

1. Take samples from TRANSITION zone (a location between healthy and affected turf).
2. Take several samples representing different steps in disease development.
3. Samples should be at least 5 cm x 5 cm x 10 cm (depth).
4. Send fresh samples taken just before transport.

2. PACKING AND TRANSPORT

1. Wrap the underground portion of the sample in aluminium foil. Let the grass be open!
2. Choose a container that can withstand transportation.
3. Place the sample in the container so that it cannot move during transport (e.g. fill around with newspaper, foam plastic, etc.).
4. Fill out the form!
5. Send sample as an express parcel (if possible) early in the week. Avoid the weekend!
6. Please state clearly on the package that the goods is for research proposal only.

3. PAYMENT:

**From NOK 3 875 per sample**
The answer is given within 2 days after the sample was received.

**From NOK 4 650 per samples**

For fungal diagnostics based on isolation and cultivation if needed (7-14 days).

4. Shipping Address:

**Gress Diagnostic Laboratory**

Tatsiana Espevig

NIBIO Landvik

Reddalsveien 215

4886 Grimstad