

|   |   |
|---|---|
| Collection No.                            | 2   |
| Collector Name & Semester                 | Balen Talib Hassan<br>Semester 7  |
| Collection Date                           | 30/6/2025   |
| Scientific Name                           | <u>Allium cepa</u>  |
| Family                                    | Amaryllidaceae  |
| Common Name (Kurdish, Arabic and English) | English: Onion<br>Arabic: بصل<br>Kurdish: پياز / pîvaz  |
| Location                                  | Iraq, KRG, Sulaymaniyah   |
| Latitude & Longitude                      | 35.73996° N<br>45.47764° E  |
| Growth Form                               | <input type="checkbox"/> Tree <input type="checkbox"/> Shrub <input checked="" type="checkbox"/> Herb <input type="checkbox"/> Vine <input type="checkbox"/> Grass<br><input type="checkbox"/> Answer: Herb |
| Condition                                 | <input checked="" type="checkbox"/> Flowering <input type="checkbox"/> Fruiting <input checked="" type="checkbox"/> Vegetative<br><input type="checkbox"/> Answer: Vegetative and Flowering                 |
| Use                                       | <input checked="" type="checkbox"/> Medicinal <input checked="" type="checkbox"/> Edible <input type="checkbox"/> Ornamental<br><input type="checkbox"/> Answer: Medicinal, Edible                          |
| Abundance                                 | <input type="checkbox"/> Rare <input type="checkbox"/> Occasional <input type="checkbox"/> Common <input checked="" type="checkbox"/> Abundant  |

|                      |  |
|----------------------|--|
|                      | <input type="checkbox"/> Answer: Abundant  |
| Soil Type            | <input checked="" type="checkbox"/> Sandy <input checked="" type="checkbox"/> Loamy <input type="checkbox"/> Clay <input type="checkbox"/> Rocky<br><input type="checkbox"/> Answer: Sandy, Loamy  |
| Plant part collected | <input type="checkbox"/> Leaf <input type="checkbox"/> Flower <input type="checkbox"/> Seed<br><input type="checkbox"/> Root <input type="checkbox"/> Stem <input checked="" type="checkbox"/> Whole Plant<br><input type="checkbox"/> Answer: whole plant   |
| Plant Description    | <p>Allium cepa is a herbaceous, bulb-forming plant in the Amaryllidaceae family. It grows from a rounded bulb that is made up of fleshy, overlapping layers (modified leaves) covered in a papery outer skin. The leaves are long, hollow, cylindrical, and arise directly from the top of the bulb. The plant typically reaches a height of 30–60 cm. During flowering (usually in the second year), it produces a tall, leafless stalk topped with a spherical umbel of small, white to pinkish flowers.</p> <p>The plant emits a strong, pungent smell characteristic of sulfur-containing compounds, especially when the bulb or leaves are cut or crushed. This is due to <b>organosulfur compounds</b> such as <b>allicin</b>, which are responsible for its distinctive odor and many of its medicinal properties.</p> <p>Pharmacologically, Allium cepa is known for its <b>antimicrobial, anti-inflammatory, antioxidant, hypoglycemic, and cardioprotective</b> effects. It has been traditionally used to manage <b>colds, coughs, hypertension, hyperlipidemia, and diabetes</b>. Onion extracts are also used in natural remedies and some topical preparations to promote wound healing and reduce scar formation.</p> |

Plant images before collection in their natural environment



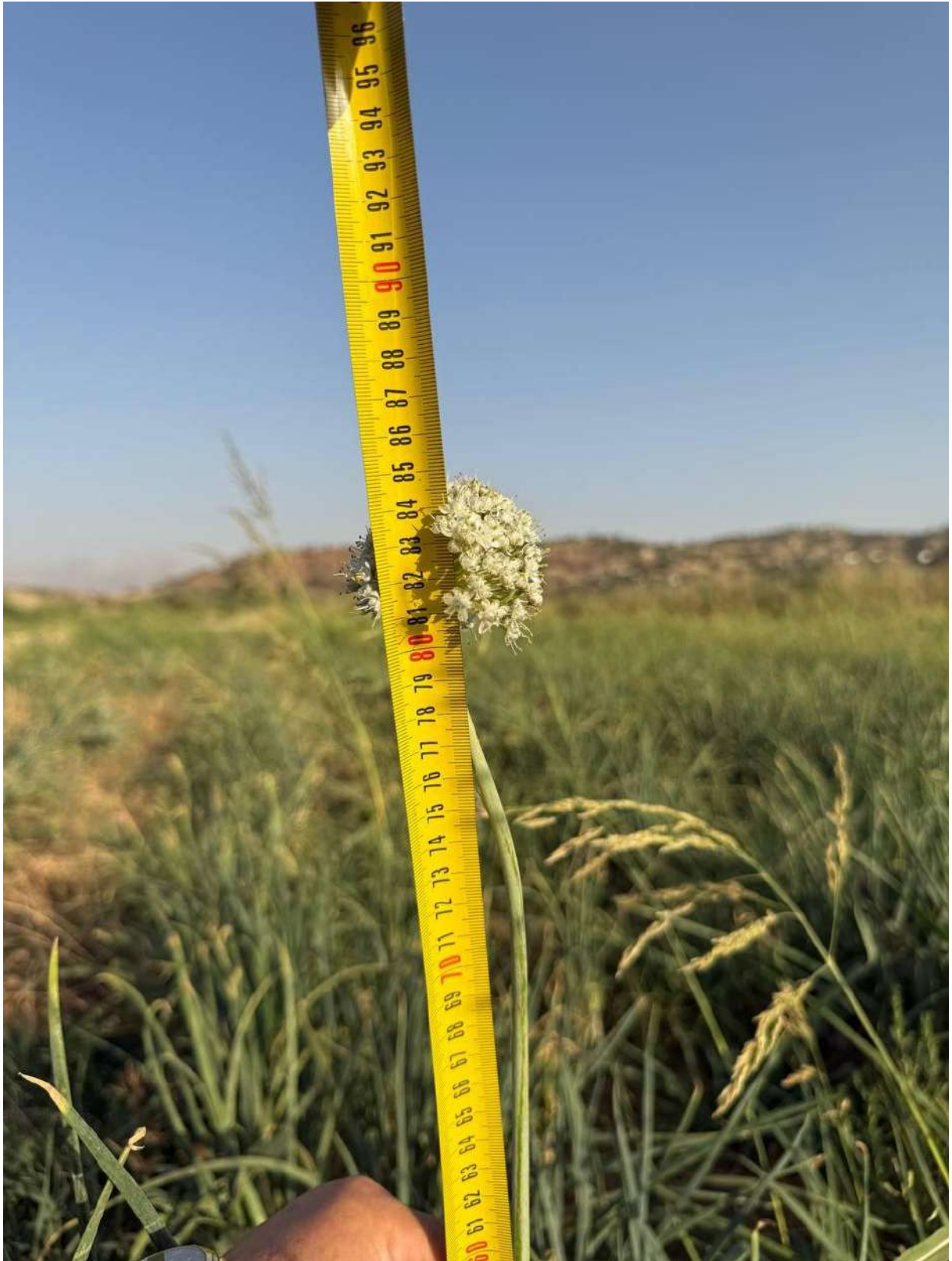














Collected Sample images on black background







