

APIs for Tree Identification

1. Plant.id API

- **Developer:** Kindwise
 - **Description:** A powerful AI-based image recognition API that identifies plant and tree species, including their health condition.
 - **Features:**
 - Identifies vernacular name, scientific name, and common name.
 - Can detect diseases and estimate plant health.
 - Offers confidence scores and multiple suggestions.
 - **Use Case:** Ideal for integrating into mobile/web apps for tree recognition using photos.
 - **Access:** Requires API key. Python SDK available.
 - **Website:** <https://www.kindwise.com/plant-id>
 - **Free Credits:** The identifications are credit-based. Each successful identification deducts 1 credit from the account, and if you are using also plant.health, another credit is taken. Once you sign up for the API access, you will automatically receive 100 free credits for testing to get you started.
 - **Pricings:** The price range per credit is **€0.05** (€50 for 1000 credits) to **€0.01** (€10 for 1000 credits), depending on the [volume](#) of credits purchased. We offer *pre-paid pricing*, where the credits are purchased in advance and deducted accordingly from your account. The second option is *retroactive pricing*, where you pay only for the actual credits used, and receive an invoice from us automatically at the beginning of each month. This pricing is based on special requirements.
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2. Roboflow Universe – Tree Species Identifier

- **Developer:** Roboflow
- **Description:** Provides a trained model for tree species identification which can be used with APIs in real-time or batch mode.
- **Features:**
 - Deployable on Raspberry Pi, Python scripts, or cloud-based apps.
 - Customizable and scalable for tree identification workflows.
- **Use Case:** Best suited for custom tree classification applications in varied environments.
- **Access:** Requires Roboflow account and API access.
- **Website:** <https://universe.roboflow.com>
- **Pricings:**

Plan	Price	Best For	Key Features
Public	Free	Students, hobbyists, open-source	3 users, 3 training credits, 10K inference credits/month, public projects only

Starter	\$249/month	Small businesses & private projects	3 users, 10 training credits, 25K inference credits/month, private projects
Enterprise	Custom pricing	Large teams & enterprises	Unlimited features, SSO, HIPAA compliance, offline deployment, dedicated support

3. Pl@ntNet API

- **Developer:** CIRAD, INRAE, Inria
- **Description:** A collaborative plant identification service based on user-submitted images and AI.
- **Features:**
 - Identifies tree and plant species using leaf, flower, bark, and fruit images.
 - Returns scientific and common names with accuracy scores.
- **Use Case:** Useful for multi-angle tree image analysis.
- **Access:** Free for academic use; requires API registration.
- **Website:** <https://identify.plantnet.org>
- **Pricings:**

Plan	Price	Usage Limit
Free Plan	Free	Up to 500 identifications per day
Paid Plan	€1,000/year (excl. taxes)	200,000 identifications per year
Non-Profit Access	Free (upon request)	More than 500 identifications per day
