

**NEWLY INTRODUCED ROSE CULTIVARS IN ROSARIUM
OF THE BOTANIC GARDEN "D. BRANDZA", UNIVERSITY
OF BUCHAREST**

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ABSTRACT

With this paper we present the latest rose cultivars introduced in the Rosarium from the Botanic Garden in Bucharest. One of the objectives in Botanic Gardens is to bring new species and cultivars to expand the collections. In that matter, the roses represent one of the biggest collections from our institution so is very important to help it grow and also one of the main attractions when is the blooming season.

INTRODUCTION

Botanic Garden Rosarium, like all the roses collections around the world, is trying to bring new cultivars in order to enrich the existing collection. Like in 2008 when the big change of the Rosarium started, adding every year new cultivars, this year we are introducing 5 new cultivars of roses that will attract visitors for many years to come. They are planted in the middle of the Rosarium so none shall be missed. Some are very fragrant like 'Minerva' or 'Brocéliande' and others catch your eye with interesting petals like 'Poseidon', our main concern is to bring new cultivars every year in order to impress rose lovers every season. They are part of the hybrid tea and floribunda (Quest-Ritson B. 2008).

MATERIAL AND METHODS

The new cultivars were purchased as bare roots from the "Sweet Garden" company in October 2024. The cultivars are 'Brocéliande', 'Deep Impression', 'Minerva', 'Poséidon' and 'Traviata'.

The soil preparations were the classic ones, first digging the land, followed by harrowing and raking, removing of plants and non-plants residues and preparing the pits for planting at a distance of 50/50 cm. Plant preparation for planting included shaping the roots and mulching them for stimulation. Planting, watering and putting soil around the plants base to keep moisture in the soil and also to protect the grafted area against low temperatures. In spring, the specific cuttings were made to create well-balanced roses with new branches. During the vegetation there were maintenance cuttings to stimulate new blooming waves, by removing all the dead flowers, cutting an average of half the rose shoots between the starting point and the flowers. We also eliminated all the wild shoots from the rootstocks in order to concentrate all the supplies to the grafted part of the rose and to make sure that they

will never overwhelm the “noble” part. Treatments were applied according to a schedule with pesticides for diseases, pests and also a foliar fertilizer (Wagner 2002).



Figure 1. 'Brocéliande'
Michel Adam, France (2000).
(Photo orig.)



Figure 2. 'Deep Impression'
Tantau, Germany (2008)
(Photo orig.)



Figure 3. 'Minerva'
Martin Vissers, Belgium (2004)
(Photo orig.)



Figure 4 'Poséidon'
Pierre Orard, France (2011)
(Photo orig.)



Figure 5 'Traviata'
Meilland, France (1997)
(Photo orig.)

RESULTS AND DISCUSSIONS

There were no losses after the first rest period, even with the low temperatures, being the first winter in the past 10 years with -15 °C. The low temperatures helped maintaining the diseases and pests under the control. The few days of snowing were welcomed by the plants, acting as cover and bringing nutrients into the soil. The varieties behaved well for the first year of vegetation, problems with diseases and pests were not significant, the black spot was present but did not cause major problems. It is still too early to judge the vigor of the plants considering that the plants are not mature.

CONCLUSIONS

After the first year of vegetation, we can only say that the roses developed well, they all bloomed, but they did not have the specific size flowers of the cultivar. There were no losses, so it's a good thing, considering that we had first winter in a very long time, around 10 years. In the future, all cultivars will be monitored to check the resistance to pathogens and the pedoclimatic conditions. The goal is to identify which of the newly introduced cultivars are the most compatible with the conditions in the Bucharest area, to further recommend it to all that love and appreciate the beauty of a rose.

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