

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

In The Name of God

Ministry of Agriculture-Jahad
Agricultural Research, Education and Extension Organization
Horticultural Sciences Research Institute

Almond production experience in Iran compared to other countries in the world

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Preface

Almond is one of the most important horticultural crops in Iran due to its unique properties such as high levels in water use efficiency, fruit production, light saturation point, and specific fruit growth curve, osmotic adaptation properties in leaves, special leaf morphology and fruit, alongside with strong and vertical rooting system with enabling it to survive in unfavorable soil conditions such as calcareous and rocky soils with low moisture. That is why the almond is called a drought-tolerant tree. As Iran is located in the arid and semi-arid regions with water shortage, as well as the ease of almond fruit harvesting and transporting for almond employment, this species has long been considered by Iranian growers. Therefore, almond cultivation in Iran has a long history, making it is one of the main centers of almond production in the world. In addition to the considerable area under almond cultivation, there is a potential for extending almond-cultivation areas in Iran. Therefore, developing the planting and production of this crop must be in accordance with its international standards for competition in the global market.

The first step to establishing almond orchards in the country requires knowledge on almond ecological needs, cultivars/ rootstock, and cultivation practices, we hope to help economic prosperity and employment in the country. An effective tool to improve the level of knowledge and skills of growers is through providing scientific resources. For this purpose, the present issue has been compiled based on the scientific and research experiences of its author as well as the collection of scientific resources from leading countries in the field of almond cultivation and production.

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Given the area under cultivation of almond, it is hoped that this issue will be able to compensate for the lack of information in this field and be used by almond growers and experts.

Ali Imani
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