



HIGH-TECH AGRICULTURE AND ITS DEVELOPMENT VISION IN VIETNAM

HCM CITY, 9 March, 2017



CONTENTS

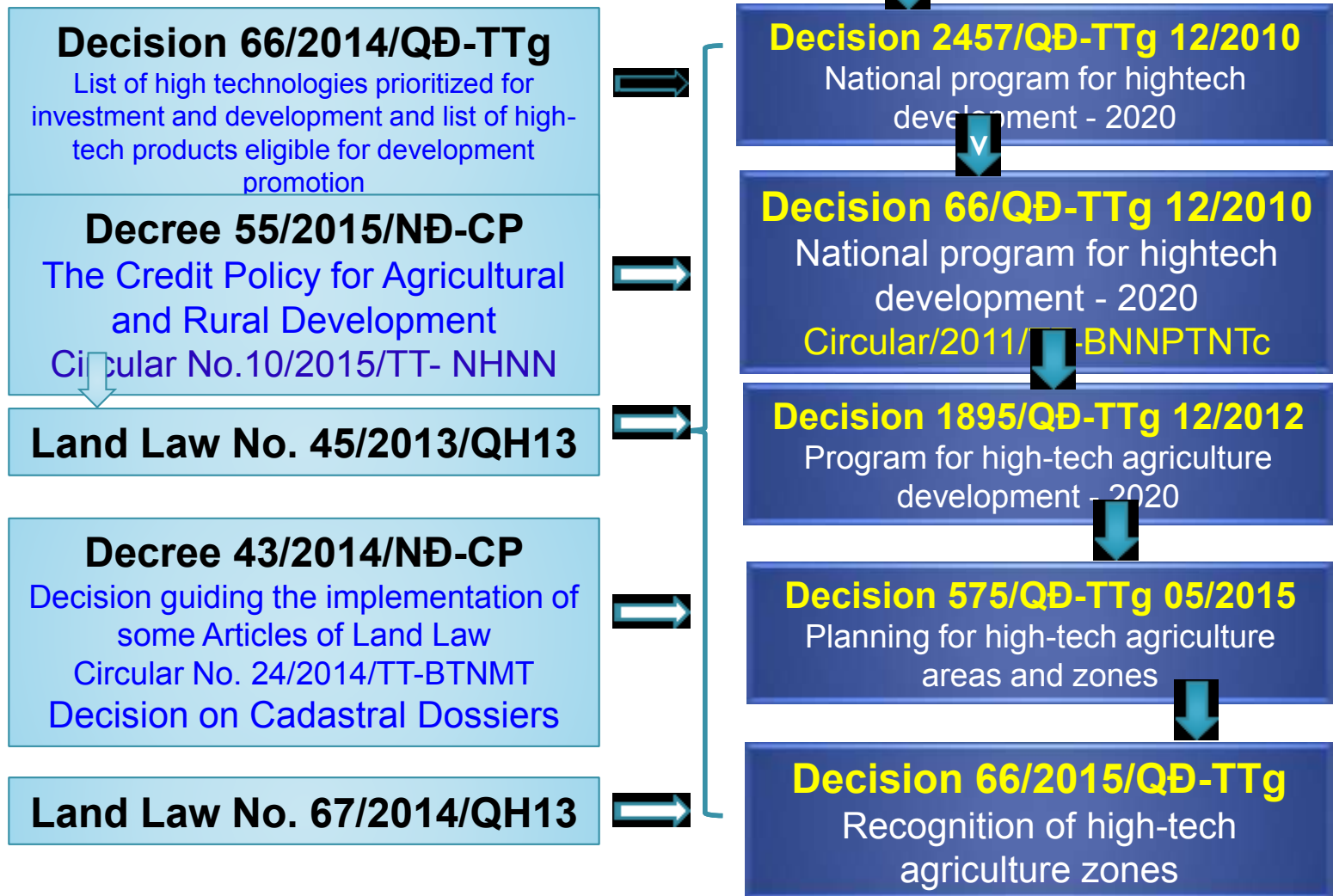
- Improvement of policy framework
- Program for high-tech agriculture development
 - Formulation and development of a high-tech agriculture
 - Creation and development of high technologies applicable to agriculture
 - High-tech application in agriculture
- Solutions





IMPROVEMENT OF LEGAL DOCUMENT SYSTEM

High-tech Law No. 21/2008/QH12





PROGRAM FOR HIGH-TECH AGRICULTURE DEVELOPMENT

➤ **Criteria for establishing high-tech agriculture zone**

This zone shall be under the master planning and shall comply with both the Article 32 of the High-tech Law and the following regulations:

a) The high-tech agricultural zone consists of major functional areas:

- Administrative center area;
- Area of applied research, experiment and demonstration of high-tech agricultural production models;
- Area of training, transfer of technology, demonstration and introduction of high-tech agricultural products;
- Area of Investment in high-tech agricultural production;
- Area of Waste Treatment.





PROGRAM FOR HIGH-TECH AGRICULTURE DEVELOPMENT

➤ Establishing high-tech agriculture zone

b) Activities of the high-tech agriculture zone

- Scientific and technological activities: R&D; experiment, demonstration, transfer of high technology...
- High-tech human resource development: workers, technicians, managers etc. ...
- Production, services Hoạt động sản xuất, dịch vụ: high-tech agricultural products; trade fairs; demonstration of products, advice etc. ...
- Participation in high-tech agricultural incubation, high-tech agricultural incubators.





PROGRAM FOR HIGH-TECH AGRICULTURE DEVELOPMENT

➤ Preferential policies

a) Land preferential: receive the highest preferential as regulated by laws on land other legal documents related to land issues.

b) Receive investment subsidies for establishing high-tech agriculture areas and zones under the master planning

-Areas established as regulated by the PM's Decision: Based on specific conditions, the State Budget shall provide subsidy of no more than 70% (information infrastructure, power, water, administrative building, waste treatment system).

-High-tech agriculture region: regional infrastructure (transport system, irrigation system and waste treatment) under the approved projects

- Other preferential policies as regulated by the Government within their competence.

- Typical policies of cities, provinces.



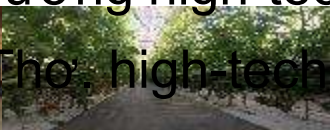


PROGRAM FOR HIGH-TECH AGRICULTURE DEVELOPMENT

➤ Establishing high-tech agriculture areas

Planning for high-tech agriculture areas by 2020

1. Hậu Giang high-tech agricultural area (Decision No. 1152/QĐ-TTg; 2012)
2. Phú Yên high-tech agricultural area (Decision 2293/QĐ-TTg; 2013)
3. Thái Nguyên high-tech agricultural area
4. Thanh Hóa high-tech agricultural area
5. Lâm Đồng high-tech agricultural area
6. Quảng Ninh high-tech agricultural area
7. Khánh Hòa high-tech agricultural area
8. Hồ Chí Minh high-tech agricultural area
9. Bình Dương high-tech agricultural area
10. Cần Thơ high-tech agricultural area





PROGRAM FOR HIGH-TECH AGRICULTURE DEVELOPMENT

➤ Developing high-tech agricultural zones

- ❖ Focusing on products: vegetables, flowers, coffee, tea, dragon fruits, cows for milk, cows for meat, poultry, shrimp (salty, brackish water).
- ❖ In reality, there have been concentrated production models with high-tech application:
 - Production of certified vegetables, pork, chickens with value added (dragon fruits, vegetables, pork, chicken, shrimp...)
 - Production of certified tea, coffee, pepper (Utz, Rainforest, 4C, GlobalGAP..)
- ❖ Due to a newly-established legal framework, not any high-tech agricultural zones have been recognized so far.





PROGRAM FOR HIGH-TECH AGRICULTURE DEVELOPMENT

➤ Agricultural enterprises with high-tech application

◆ Out of the total 25 certified agricultural enterprises with high-tech application, including:

- 09 enterprises involving in crop production (vegetables, flowers, tea processing);
- 08 enterprises with high-tech application to their animal husbandry (dairy cows, pigs, chickens);
- 08 enterprises with the high-tech application to their aquaculture

(out of this ,09 enterprises are running their business in Lam Dong)





SOLUTIONS

➤ Challenges

- ❖ The policies have not yet been put into practice
- ❖ The planning fails to match with practical requirements
- ❖ Enterprises' investment in science and technology has limited quantities and weak resources
- ❖ Tasks of high tech creation and development in the agricultural sector have not yet defined. The tasks are focused, however, lacking a breakthrough of high technologies, leading to a not very high value added.
- ❖ Mobilization and socialization of investment remain weak





SOLUTIONS

➤ Causes

- ❖ Limited communication.
- ❖ Awareness of high-tech agricultural areas and zones are not yet in accordance with the High-tech Law and Land Law.
- ❖ Inconsistent policies.
- ❖ Persist in planning and developing high-tech agricultural zones but have limited resources
- ❖ Propose an amendment the master plan of high-tech agricultural areas, however, legal framework and resources are not yet well-prepared





SOLUTIONS

➤ Solutions

- ❖ Improve policies, institutions to create a legal framework for developing high-tech agriculture, establishing agricultural production areas with high-tech application ◀
- ❖ Promote public investment capital for the agricultural sector
- ❖ Carry out administrative reform to encourage enterprises investing in scientific and technological research and application, involve in implementing the Program.
- ❖ Build capacity, improve dynamics of research and transfer institutions.
- ❖ Provinces located in the planning shall proactively balance their local budgets, mobilize resources to establish high-tech agricultural zones and areas, ensure the sustainable and high efficient operation of such areas and zones.





SOLUTIONS

➤ Recommendations

- ❖ Review and amend some legal documents.
- ❖ Have consistent preferential policies
- ❖ Provinces shall make the planning and develop their high-tech agricultural areas and zones based on existing Laws and bylaws.
- ❖ Adopt provincial policies to encourage, attract investment in high-tech agriculture.
- ❖ Socialize investment in high-tech agricultural production





Thank you

