EVALUATION OF THE RURAL ECONOMIC POTENTIAL IN CITY DEVELOPMENT (CASE STUDY: TUYSERKAN)

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ABSTRACT

Invention of different parts of holistic development in village for rural physical and moral exaltation, poverty excinding, invention of economic solution, cultural and social exaltation of rural society and achievement to real place of human munificence, which is related to all humans, are of goals of village development and are considered as subtraction of national and corny development. It is necessary to pay attention to village and development of agriculture part and its related activities for reaching to village development the Paper which is checking, is derived from senior expertise the sis as 'Economic development potential of the villages of Touisarkan town whit emphasis on walnut Growth' and is about the roil of agriculture activities in village economic development. For studying this subject, it uses two methods 'predicative and forum'. After providing theoretic frame of research, for obtaining the necessary information, it is important to provide questionnaire and forum operations till we may realize the roll of agriculture productions in studying village developments through studying the results.

Keywords: *development, village development, agricultural product, walnut, Touysarkan.*

INTRODUCTION

Most of historians and researchers agree that earthborn civilization history was begun with agriculture insofar Latin word (culture), which means lexical as good as rear, is exhibitory of the relationship between agriculture and civilization culture (Vahabi, 2003, 188). Agriculture branches always had had a special place in world economy as one of the most important branches in production process, especially after Petrolia Shocking in decade which lead to economical stagnancy in west world caution to agriculture and its products were different as an important factor in economical development, attentive to the point that Iran has the potentiality of natural sources and patent climatic variety, agriculture branch can have a determinant roll and extraordinary importance to economical development process (Askari, 2003, 216). Attentive to the point that village development is a guideline for improving the social and economical life of poor the rural (our goal of village development concerns poverty), it must be followed by the increase of production and productive power character rustically. This guideline is related to modernization and making the village society and its devolution from traditional recession and national attendance. So the goals of village development outspread over many special part, these goals include production position improvement,

engagement increase and providing the minimum acceptable amount of food, housing, education and hygiene.

By the growth of agriculture activities and its related industries in rural regions, we can, achieve the mentioned goals and reach to economical development of the country, for village development is based on regional and national development.

THEORETICAL PRINCIPLE

Village development and economical growth is a noteworthy category experts of development science. Village should recover its special place in development process and get maintenance of population and its relative distribution based on the capacity and fertility of soil, water, climate and necessities of the population distribution in the political geography.

We can find many definitions for agriculture development concepts like all the other concepts. The goal in this process is; consideration and exposure of services to the various farmers general to small, average and large. Agriculture development can be known as a process in the way of elision of the limitations and decreasing the obstacle that are imposed to the production process because of earth's natural resource and work power. (Taleb, 2005, 229)

Nowadays, preference of capacities and exploitation of agriculture by the way of structural policies for exploitation of competition benefits of agriculture products is one of the important goals of village development. In structural policies, emphasizing on the rebuilding of agriculture is one of the compressed growth actions, agriculture remake, increasing of exploitation, protecting environmental perspective and general protecting from internal productions by attention to local, but not a regional relative benefits.

Experts of development looked at agriculture growth as the main factor of the development of a nation in 1960, for example Arthur Lewis 1 wrote in 1954: 'If agriculture is in stagnancy, market will become abeyant and will unhinge the development of the other parts will be difficult. This is fundamental origin of balanced growth. (FAOU and UNESCO, 2005, 60)

Agriculture and rural regional development program are important for achieving rural development goals. Espousing the technical and scientific growth in most developing countries is a pensionable development programs. New trends will be important in developing the services in forming the other particles such as technologies, modern inputs, credits and the efficiency of new performance of product market exporter to successful exploitation in agriculture development has a capital roll in developing country's economy by decreasing poverty, decreasing of the income chasm of Urban and rural population and increasing of income and improving life quality of rural producers. (FAOU, 2005). In development Strategy with focusing on agriculture assay is on the blooming agriculture and its pivot the huge machine of growth and development will. More in theory topics, below reasons are the fundamental of the design of such pattern. The most part of Population and labor energy of development countries are concentrated in agriculture section .In addition, a large percent of national production of aforementioned countries belong to the agriculture section. So this part, by the attention to the exhibited featured, has enough potential capacity for growth and development.

Providing food material is possible if agriculture section becomes active and efficient. So necessary food materials in port, since food material is related to nation life and food dependence not only is dangerous and threat national security, but also conduces emission of much value, so it is necessary to pay much more attention to this section. (Maleki, 2006, 172).

Therefore, the study of village development can be an effective factor on village development and programming for achieving the developed villages .the villages where can effect on development potential capacity and arise proportional population, product, industrial and service canons till have positive and effective roll in relation and adverse incavation with the other population centre (in general village and city) and country geographical sheet convert to a texture extent and sheet with

suitable distribution of local population based on natural, topography, social, political and constant sources of production features.

RESEARCH METHODS

Research methods in this investigation are discretionary analytical by paying attention to the topic goals and reality of (agriculture Products roll in rural development and in relation to examination of research hypothesis. So, for nomination of hypotheses, at first it is used of discretionary investigative method with good of concretely, real and regular description of attitude meaning what it is. Then in the next step which includes examination of hypothesis, it is used of analytical method results. Agriculture section is one of the important factors for helping to economic growth. Economical position of every country is depended on economical sections of that country (agriculture, industry and services). This function forms in light of optimum productive Power of country. This is possible that every country enjoys the suitable and powerful productive power in certain field, so paying attention to productive power and its function, arise suitable field for economical utilization (Motiee Langroodi, 2002, 81). For nominating the agriculture section position in economy of the village as of Touysarkon town, by paying attention to the point that more than %60 of this town's population live in villages, we can expose certainly that most of people's income is from agriculture activities in general agricultural and gardening.

Agriculture section always has a special place in economy of Touysarkon town as an important section in production process. Noting to agriculture section and its products diffract as an important factor in economical growth and development, so that it becomes a relationship between farmer's developmental roll and economic growth noticeably from government and programmers. By paying attention to the point that Touysarkon town has the potentiality of natural sources and climatic variety, agriculture section can have an extraordinary roll and importance in economical development process in this region.

Accomplished studies show that it needs to 40 million Rials investment for inventing a job, although for inventing a job in small and rural industries sector 50 million Rials and in services 130 million Rials is needed. In addition, for every invented job in field of producing wheat, beet, cane, and wood, 1/4 subordinate job is invented in industries and services section (Motiee Langroodi, 2004, 83). So by noticing the lack of capital in country and subordinately in Touysarkan, agriculture has this strength to create more number of jobs with less capital although many of rural population specially youth go to urban region for accessing to job and activity annually, but Reality is that most of them can't find a suitable job in town. So mainly betake to the jobs that are effective in bulgy and economic stagnation. In addition to creating suitable jobs by agriculture, this part can be the main factor of anti poverty especially in rural regions, Security of peace and creating commutative industries in the region.

Also, natural and geographical bed of Touysarkan have unique features that of the insight of natural sources and potential facilities have divine and hidden capital and can be more than what is base of mutation and development. Nowadays, it is more obvious than afore that more constant agriculture can have economical, environmental and social benefits.

If a montage and systematic program is montaged for constant

Development of Touysarkan town, this region will be converted to one of the walnut products pivots. In general, utilization of abilities and capacities of agriculture section can lickish these villages of towns for its self-developmental goals.

The subject is that 5360 hectors walnut gardens of Touysarkan two with about 15/000 tons production have the first status in the country and about 34percent of people are working in agriculture section that about 540/000/000/000 Rials income (2010) which has per capital 4/900/000 Rials among the rural, by paying attention to the point that walnut of Touysarkan is the best in the world for its flavor, color and quality and in the most important export product of the region, why couldn't it improve the villages to that degree of development that prone the need full charmerity for rural life and production

(Among two capitulation 1986-1996, population growth of villages were -0/7% that marked the intensity of opportunity migration and unabsorbing of population in villages).

Touysarkan town with 177 villages for having capabilities and abilities such as good climate, suitable agriculture position, exploitation of enough water resource for walnut growth and in the other hand with long history in this field, having the first class and production. Producing the harvest with high quality and competitive in the world markets an amenable to this subject is very good and desirable condition for developing of growth of this product. So this research is about this to consider the economical effects of walnut growth in Touysarkan town's village's development.

This research is the percent of responding to below questions:

How many rural households are engaged to walnut growth?

How is the region undergrowth and manner of dispersal of walnut trees in Touysarkan town?

How much are the rural households in com in Touysarkan town from walnut harvest and how much does this harvest effect on household's economy?

What is the rural's problem in walnut growth?

RESEARCH GOALS

In this research, one of the important goals is studying the natural and Humance environment factors in from regional studying, because without knowing about present position and general situation exhibition of every kind of suggestion or programming for rural development is meaningless. So it is tried in this research in addition to intro of effective factors of natural and human environment and adverse effects on each other we expose the main roll of factors in walnut growth and walnut condition in the world and Iran's economy and synoptically Touysarkan town.

We can actually mention this point that walnut growth could improve economic condition of inhabitants of villages of this town and enter grate the virtuosity of villages in habitant and in addition to the elimination of virtuosity, it is posed as one of effective agriculture considered region in country.

Totally the goal of the present research is about three axis:

- * Introduction of present condition of walnut growth and its economic effects.
- * Introduction of problems and available bottleneck in increasing the production and exploitation of the rural.
- * Production of methods and suggestion for improving beneficial rural economic condition and increasing production and its positive effect on the rural.

CONTINENTAL CONDITION OF WALNUT GROWTH

In general, we can grow walnut trees in regions where it's height is about 2500 meters, it should be noted that mainly growth of this tree doesn't have certain limitation about height relation to sea surface but different studies show that walnut trees have better quality and quantity of harvest and growth and germination in higher elevations some believe that cultivated walnut in this heights usually is less enslaved to calamity and illness (Amoo Ameha, 1999, 60-65). Selection of suitable region for producing walnut is very important. Valley regions in which cold weather is collected, isn't suitable for walnut growth. More elevated regions of north then slopes, because are faced less to freeze danger out class southern slopes and inferior slopes.

In north then slopes, exhalation is less remarkable and soil doesn't lose its humid as fast as southern slope, enormous cold is one of the factors which limit walnut growth in many places in the world.

Becoming cold and hot of weather two to continuous law ardency

Degrees damage more to plants. Preventing the spring's cold, it is used of late fronds cent numeric. In many places, walnut culture is limited because of inadequate cold.

Most of numeric need to about too to 1500 hours below 7°C cold for their natural growth. In existence of this about cold can Conduce to germ asleep, a bade amount of product and death of Branches. In general harvest temperature for ripe walnut product should be about 22 to 27°C some weeks be for

harvesting and less temperature causes being crimple of fruit stone. If humid is less and temperature is upper than 40°C, damage will be potentiated Touysarkan's natural condition about walnut growth. Available gardens in Touysarkan region generally are watery and a few regions in some parts in which soil relative humidity condition and cool weather discursively is provided, there are gardens Dimely and semi dimely with relative favourable and resister against Droughty such as lessen. Because of being some gardens in alvand mountains southern slopes, springs and a lot of karizes, are the sources of pronding water in these gardens and in many gardens, water is provided by digging deep manual and semi manual pits.

Because of locating many gardens, in feet and in clined region, trees have more suitable conditions in contrast with droughty for providing water in warm months of the year. That most gardens in town are in this situation, so orchardists have less problems in snow the whole year regarding to the years when atmosphere on fall is in the shape of raining.

Although walnut tree has broad tolerance extant about the height from sea surface and it grows at 250 to 700 meters height and harvest, but gardening researches show the most suitable height in 1800 meters regions. in Touysarkan town where the inferiores place has 1550 meters height from sea surface, most of regions locate in 1550 to 2500 meters from sea surface that fortunately most places of Touysarkan with having this topograpy situation, comprise desirable condition for walnut that exhort farmers of this region to walnut growth long ago. By paying attention to the fact that walnut tree needs mountainous modest and cold weather and manual average temperature of Touysarkan town is 11/5 °C, it is accordance to this tree properly.

About relative humid, Touysarkan town has suitable condition so that its maximum is on December and January its minimum is on August and at end of September, which is favorable with walnut physiology condition. Because high humid in summer causes walnut illness and in hot summer and on October causes cunctation in walnut being parch.

Walnut's economic importance in Touysarkan:

Income with costs deficit per hectors is 10/040/630.

Grist the amount of the surface of growing of this product in Touysarkan town is 13473 hectors dimerly and watery, that the amount of production in 2009 agriculture year was as agriculture capital product of Touysarkan is accordingly:

The average performance in per hector 3055 kilo grams.

The cost of grow and harvest is 5/095/580 Rials.

Whole earning per hector is 12/831/000 Rials.

Earning whit costs deficit per hector is 7/135/420 Rials.

Plum among garden product by paying attention to plum condition and amount of growth land in town is 460 hectors. Performance per hector is 6000 kilo grams.

Whole earning per hector is 90/000/000 Rials.

Current costs per hector is 10/000/000 Rials.

Earning after costs deficit per hector is 80/000/000

Walnut has special place among different agriculture product because it is considered as a valuable export product. and is creates many jobs directly and indirectly during production stages and also assigns the most growth land and annually producing amount 5360 hector and 14270 tons respectively and performance more than 2900 kilo Grams. Per hector that paying attention to the price of per kilo of walnut which was 57000 Rials in 2010, we can achieve to an annually sale of 809970/000/000 Rials.

Economical roll of a hector walnut in Touysarkan town can be expressed as:

Average performance per hector is 2900 kilo grams.

The costs of growth and harvest per hector is 8/908/500 Rials.

Whole earning from per hector is 165/391/500 Rials.

Whit provided and disposed questionnaire, it is polled of the house hold who are working on walnut growth walnut about walnut growth effect in rural household's economy. Findings of studies questionnaire analysis are narrated about main roll and walnut preference in providing rural households need so that walnut provide 50% of all of households for 83/49% of responders. On the other hand, walnut growth is enough for 54/84% of livelihood of responder's households.

The amount of earning and production costs of the most important garden and agriculture production of town by aforementioned accounting of factor of garden hand agriculture product value was determined from the information this study which were studied on important kinds of agriculture and garden product and their economical roll (wheat, grist ,plum and walnut), is exhibitory of is that walnut is the most earning garden product of this region and has a very main roll in households economy whit 150 million Rails per hector, the other benefit of walnut is related to the other product are less wastage, resistance against environment natural condition and point that it's growth is beside the other agriculture product and in border of these farms that this factor doubles economic value that all of the mentioned instances are expressive of Touysarkan town .markets is of main necessities of exports, essentialness for more investment in this section is tactile. We can express that walnuts economical roll in economic development of its villages briefly as:

* Providing more earning for the rural and resulting economical strength increasing and over striding in development way.

* Providing the other places of country and because of walnut desirable quality in Touysarcan.

* Creating engagement for youth who are searching work and resulting in preventing from migration process so that 76/88% of responders are believed to the research questionnaire that available.

Walnut is a tree with long life that the life of some of them reach to 300 years. This tree need to moderate weather whit the summer when are nine fold harm and the winter when are nine fold cold. Although walnut tree has many benefits, it is one of the important products in world markets which has possibility for much amount of earning attracting for country.

Touysarkan town where has 3 cities 7 paro portions, 117 villages and about 120 thousands persons population is one of important centers for growth and producing the product this valuable product could give a good export market for the town so that some agents the companies all over the country come in the region for buying this product in harvesting time.

CONCLUSIONS

Agriculture in villages of Touysarkan town and among walnut growth dispite existence of important sources, because of existence of weakness in infrastructure affairs, traditional agriculture development, surface of agriculture new technique and natural sources and talents.

Now, agriculture face producing less results and inadequate investment most part of used technology is attired and less output favoring to performed studies and scoop researches in relation whit studying topics, below methods and suggestion are posed:

- 1) Give essential education to gardeners for look out and care of walnut tree specially in field of correct feeding , suitable irrigation keeping against froze and kibe.
- 2) Giving essential possibilities for mechanical utilization to farmers to increase the speed and accuracy of utilization.
- 3) Used of slip production in the shape of hybrid for increasing product quality and quality and observe essential distance in growth time for accessing to light.
- 4) Increase in governmental production from gardeners by banks facilities, insurance and providing essential in puts such as irrigation new systems.
- 5) Creating product marketing centers for shortening inductor's Hands.
- 6) For more and better exports of walnut product, it is necessary to create and develop automatic packaging.
- 7) For reaching to constant development in the region beside walnut gardens development; create later and industries and employment such as packaging and preparation factories, filter press factories, making colors (from green skin of walnut), providing neopan.}
- 8) Keeping and development of town agriculture fields and serious preventing their destroying.

9) Education of the rural for correct usage of town possibility specially water and soil source.

10) Programming and doing main and fundamental producers for enough principled using of surface and underground waters, is belayed and saves.

Another performance of water for saving water and more and more correct utilization from belayed and unbelayed water in farms irrigation, is saving in ground, saving water in pools.

11) Studying and performing some designs in agriculture water and improved and redress of agriculture soils by organizations and related organs.

12) Educating and persuasion of farmers by using of unique irrigation system and developed such as drop wise and the other less usage methods.

13) Optimization of walnut product packaging factories of the town.

14) Using of product and stable numeric against local conditions.

15) Increasing of farmer's technical science by using of experts in farms.

16) Encourage the farmers to growth walnut tree around agriculture farms and inclined region that is effective for maintaining agricultural product and these trees can be a kind of which has economical value.

17) It is hard to encourage gardener to cut down all trees and formation new trees.

So in the studying field some of tradition garden ,suitable numeric are growth based on scientific fundamental by performing exhibitory gardens and correct ways of commercial management are introduce to be exposurable the suggestion redresses works, notable to traditional gardener.

It seems that the best way for region development is attention to growth of this product by using of scientific and suitable agriculture and creating latered industries and engagement in this relation.

Now, walnut growth development possibility should form at first .meaning in some parts of town is possible there is an incult land that finds utilization by creating ground water sources, that should growth walnut at first and by attention to high benefit of walnut should be substituted by other product gradually and possibility of increasing utilization provide by development of gardens.

26) As the last material, we should remind that economical and social problems and bottlenecks which are in every society will not be possible just with trying and incorporative and partnership of all of people .we hope that sympathetic experts of every society specially studying region for reaching to growth and development of agriculture activities and constant development of this country, do their best.

REFERENCES

World bank, rural development method, center of agricultural economy researchers of agricultural jihad ministry, 2005.

Management and programming organization of Hamedan province, economic and social and cultural glancing report of Touysarkan town, 2004.

Agriculture Jihad organization of Hamedan province, 2008, center of agriculture and natural sources researchers.

Asgari, Mansour, The analysis of the role of agriculture in Iran s economy, the first agricultural and national development meeting, agriculture jihad ministry, 2002.

AmooAmeha, Mjid, senior expertise thesis, knowledge and evaluation of good walnut geotypes Touysarkan Islamic Free University, sciences and researchers unit, 2003.

Taleb Mahdi, Rural socialistic, (change and development scantling in rural society of Iran), Tehran University Publications, 2005.

Motiee Langroodi, Seied Hssan. Iran economical geography (agriculture) University jihad publications, 2002.

Mlaki Behnam, Economical development and programming of theatrical and operational pivots and, Free University Publications ,south Tehran Unit, 2006.

Vahbi Asghar, economical political information, numbers 181 and 188, 2003.