

Reduce the rate of broken roll from 10% to 3% through improve drying frame, rice contain staging in Hai Thom roll production Unity, Hamlet Hoa Da, An My commune, Tuy An District, Phu Yen Province

Problems and causes:

The high amount of bending and breaking roll (10%) due to poor quality of rice, no oil in drying frame. Beside drying frames touched the ground cause unhygienic. Rice packs were put directly on the land.



- Reduced the profit by 50% (700VND/piece) in comparison with qualified rolls.
- Rice were in danger of being moldy to reduce quality of roll
- Cause Unhygienic in drying roll

Economics:

- Occurring costs: 1,300,000 VND/year
- Net savings: 22,050,000 VND/year
- Investment: 1,500,000 VND
- Payback: immediately



Food Hygiene and safety:

To ensure food hygiene and safety thanks to good quality of rice and roll to be dried on a high platform.

Measures:

- Build wooden stage against the moldy of rice.
- Build more bamboo strips to ensure hygiene of roll.
- Buy oil for drying frames.



- Reduce broken and bending ratio from 10% to 3%.
- To ensure hygiene and safety.
- To increase the profit.

Organization:

- Ensure the producer's reputation with customers
- Increase profit of the producer

Problems and causes:

High rate of loss of rice seeds (10% per year) due to tight inventory, not streamlined, and lack of close supervision. Also low volume of stock cooperatives do not respond to large orders.

- Rice seeds was lost and damaged due to breaking pack and thus were no use because of mouldy.
- Environmental pollution due to paddy seeds spillage and moisture.
- Forced low sale price (100,000 VND/ton) due to the quality of rice seeds is not guaranteed and low reserves

Economics:

- Occurring costs: 18,000,000đ
- Net savings: 72,250,000 đ
- Investment: 20,000,000 đ
- Payback: 4,4 months

Environment:

To reduce environmental pollution due to paddy rice spillage and moisture.

Measures:

- Build shelves/stages.
- Build walls of the warehouse.
- Recruit one more keeper including work of sanitary and the warehouse regularly.

- To reduce amount of lost paddy rice from 10% to 5%.
- To reduce Environmental pollution.
- To increase the selling price thanks to quality ensure and the capacity of warehouse is increased
- To increase profit thanks to the capacity of warehouse is increased by 100 ton more.

Organization:

- Organizing workshops cleaner.
- Ensure the company's reputation with community and workers.
- To increase the profit results in increasing social benefits for the workers.

Problems and causes:

High rate of paint loss due to poor painting technique. Working environment of spraying workers and other production sections are toxic because of no separate painting room and no treatment system of



- Paint loss account for 30%.
- Environmental pollution
- Toxic workplace for workers.
- Cost of labor to clean the spraying area.



- Reduce paint waste from 30% to 10%.
- Cut labour cost to clean painting area.
- Reduce environmental pollution (air and land).
- Ensure the health of workers.

Economics:

- Occurring costs: 0 VND
- Net savings: 57.000.000 VND
- Investment: 85.000.000 VND
- Payback :18 months

Environment:

Reduce 90% of dust and the smell of paint chemicals into the environment.
Reduce air and land pollution.

Organization:

- Workers satisfy with working condition.
- Organizing workshops cleaner.
- Ensure the company's reputation with community and workers.

Health and safety at work:

- Spraying workers work in better and healthy condition.
- Workers in other sections will not be affected thanks to proper separation.

Measures:

- Building filter of paint smell and odor through water mist, with a high chimney.
- Improve spraying techniques.
- Building separate painting area.