How to Start Business of Cotton Seed Delinting, Crushing and Refining of Oil- Profitable Business Ideas
Cottonseed, as the by-product of cotton ginning operation, is covered with fibrous lint. The cottonseed is mainly made up of inner kernel, usually called "meats". This meaty portion contains all the oil as well as proteins, and it is enclosed in the fibrous hull. Over the hull stick out the cotton fiber which escape the ginning and left on seeds. These cotton fibers are called "lint".

By processing cotton seeds, we can get maximum benefits. The inner kernel can be planted, fed to livestock, made into cottonseed oil for human consumption, used for fertilizer, or used in products like lotions and soap. The lint we get from cotton delinting has wide application in cotton blanket, sweat shirt, paper board industry and cotton pulp, etc. Therefore, the cottonseed delinter is very essential in cotton processing.
Methods of Cottonseed Delinting

Two general methods have been developed for removing the lint from cottonseed, which are removing the lint by acid and by delinter machine respectively.

The acid delinting of cottonseed has been used extensively, particularly when the seeds are used for planting. Both sulfuric acid and hydrochloric acid have been used for acid delinting respectively. Due to the generation of heat from the reaction of acid with the moisture, the short cotton fibers on the seed would quickly disintegrate. The residue can be washed away with water. After washing, the seed need to be neutralized with soda ash, lime or anhydrous ammonia, which is regard as the wet acid method. However, the concentrated sulfuric acid is extremely corrosive to machinery and dangerous to handle. Some serious problems could emerge, like consuming a large amount of energy to dry the seed and causing soil and water pollution.
## Market Outlook
### India Cottonseed Oil Production by Year

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<th>Unit of Measure</th>
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<td>Year</td>
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<td>Percentage</td>
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<td>1992</td>
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<td>1993</td>
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<td>586</td>
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<tr>
<td>1999</td>
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<td>530</td>
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<tr>
<td>2001</td>
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<td>2002</td>
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<tr>
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<td>2009</td>
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<tr>
<td>2010</td>
<td>1150</td>
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<td>2011</td>
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<td>2013</td>
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<tr>
<td>2015</td>
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<tr>
<td>2016</td>
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<td>-7.64 %</td>
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<tr>
<td>2017</td>
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<td>12.07 %</td>
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World production in cottonseed has increased moderately during the past decade from about 36 million tons in the early 2000s to about 45 million tons in 2013-14. China is the largest producer contributing for about 29% of total output in the world. Production in India has increased rather steeply during the past 10 years from about 4.5 million tons in 2002-03 to about 12.3 million tons in 2013-14.

Cottonseed oil market is segmented by end-use application, raw material type and region. On the basis of end-use application, cottonseed oil market is segmented on the basis of retail, food processing, cosmetic applications and other industrial uses. The retail segment is centered on its use as a cooking oil.
Trends in share of Major Producers
Global Cottonseed Production

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<th>Year</th>
<th>India</th>
<th>China</th>
<th>United States</th>
<th>Pakistan</th>
<th>Brazil</th>
<th>Australia</th>
<th>Other</th>
<th>Crush</th>
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<tr>
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Source: www.entrepreneurindia.co
## Project at a Glance

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<th>Existing</th>
<th>Proposed</th>
<th>Total</th>
<th>Particulars</th>
<th>Existing</th>
<th>Proposed</th>
<th>Total</th>
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<td>145.00</td>
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## Project at a Glance

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<th>Debt</th>
<th>Dividend</th>
<th>Retained Earnings</th>
<th>Payout</th>
<th>Probable Market Price</th>
<th>P/E Ratio</th>
<th>Yield Price/Book Value</th>
<th>No.of Times</th>
<th>EPS</th>
<th>CEPS</th>
<th>Per Share</th>
<th>Per Share</th>
<th>Per Share</th>
<th>%</th>
<th>%</th>
<th>%</th>
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## Project at a Glance

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<th>Year</th>
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<th>Debt / Equity</th>
<th>Total Net Return on Net Worth</th>
<th>Profitability Ratio</th>
<th>Assets Turnover Ratio</th>
<th>Current Ratio</th>
<th>Individual Cumulative Overall (Number of times)</th>
<th>GPM</th>
<th>PBT</th>
<th>PAT</th>
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<td>1.43</td>
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<tr>
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<td>IRR, PAYBACK and FACR</td>
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<td>Internal Rate of Return (In %age)</td>
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<td>Payback Period of the Project is (In Years)</td>
<td>2 Years 3 Months</td>
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<td>Fixed Assets Coverage Ratio (No. of times)</td>
<td>24.500</td>
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Major Queries/Questions Answered in the Report?

1. What is Cotton Seed Delinting, Crushing and Refining of Oil industry?

2. How has the Cotton Seed Delinting, Crushing and Refining of Oil industry performed so far and how will it perform in the coming years?

3. What is the Project Feasibility of Cotton Seed Delinting, Crushing and Refining of Oil Plant?

4. What are the requirements of Working Capital for setting up Cotton Seed Delinting, Crushing and Refining of Oil plant?
5. What is the structure of the Cotton Seed Delinting, Crushing and Refining of Oil Business and who are the key/major players?

6. What is the total project cost for setting up Cotton Seed Delinting, Crushing and Refining of Oil plant?

7. What are the operating costs for setting up Cotton Seed Delinting, Crushing and Refining of Oil plant?

8. What are the machinery and equipment requirements for setting up Cotton Seed Delinting, Crushing and Refining of Oil plant?
9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Cotton Seed Delinting, Crushing and Refining of Oil?

10. What are the requirements of raw material for setting up Cotton Seed Delinting, Crushing and Refining of Oil plant?

11. Who are the Suppliers and Manufacturers of Raw materials for setting up Cotton Seed Delinting, Crushing and Refining of Oil plant?

12. What is the Manufacturing Process and Formulations of Cotton Seed Delinting, Crushing and Refining of Oil plant?
13. What is the total size of land required for setting up Cotton Seed Delinting, Crushing and Refining of Oil plant?

14. What will be the income and expenditures for Cotton Seed Delinting, Crushing and Refining of Oil plant?

15. What are the Projected Balance Sheets of Cotton Seed Delinting, Crushing and Refining of Oil plant?

16. What are the requirement of utilities and overheads for setting up Cotton Seed Delinting, Crushing and Refining of Oil plant?

17. What is the Built up Area Requirement and cost for setting up Cotton Seed Delinting, Crushing and Refining of Oil Business?
18. What are the Personnel (Manpower) Requirements for setting up Cotton Seed Delinting, Crushing and Refining of Oil Business?

19. What are Statistics of Import & Export for Cotton Seed Delinting, Crushing and Refining of Oil?

20. What is the time required to break-even of Cotton Seed Delinting, Crushing and Refining of Oil Business?

21. What is the Break-Even Analysis of Cotton Seed Delinting, Crushing and Refining of Oil plant?

22. What are the Project financials of Cotton Seed Delinting, Crushing and Refining of Oil plant?
23. What are the Profitability Ratios of Cotton Seed Delinting, Crushing and Refining of Oil plant?

24. What is the Sensitivity Analysis-Price/Volume of Cotton Seed Delinting, Crushing and Refining of Oil plant?

25. What are the Projected Pay-Back Period and IRR of Cotton Seed Delinting, Crushing and Refining of Oil plant?

26. What is the Process Flow Sheet Diagram of Cotton Seed Delinting, Crushing and Refining of Oil project?
27. What are the Market Opportunities for setting up Cotton Seed Delinting, Crushing and Refining of Oil plant?

28. What is the Market Study and Assessment for setting up Cotton Seed Delinting, Crushing and Refining of Oil plant?

29. What is the Plant Layout for setting up Cotton Seed Delinting, Crushing and Refining of Oil Business?
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1.1.4. Map
1.1.5. Languages & Culture
1.1.6. Economy and Industry

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• Export-Import Market Potential
• Raw Material & Manpower Availability
• Project Costs and Payback Period

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