Problem Can Be Solved --Poultry Manure Handling In Suburban Areas

An economical method of mechanism. University. Poultry dioppings or manually controlled used prevents growth of the manure. anaerobic bacteria (growing in produce the offensive odors.

are at velocities of 1000 feet lent plant growth capabilities oer minute These fans, circula- More detailed information ting the warm house air across can be obtained by writing to the manure at high velocities. Dr Glenn O Bressler, Poultry esults in rapid surface drying Science, Department, Penn Frequent stirring constantly ex- State University, 212 Animal Inposes new moist suifaces of the dustries Building, University manure to the an

Stirring is accomplished with Professor of Poultry Science a specially designed device Pennsylvania State University which also serves as a cleaning

drying poultry manure inside a — It is time clock controlled and poultry house without the for through a series of reversing mation of offensive odors has switches the system is automabeen developed at Penn State tic Cleaning can be automatic

when voided contain between When the manure is removed 75 and 80 per cent water The from the house at 30 per cent drying system is designed to be-moisture it is finely textured gin evaporating water imme- and dry to the touch It is ideal diately and reduce the water for field application or it can be content to about 30 per cent be- further processed with a comfore removing the manine from mercial dryer. After the later the house. This reduces the drying stage moisture content is quantity of manure to be han- cut to less than 10 per cent and dled to about 13 the initial the manure can be stored safe amount produced, thus saving ly without producing offensive Equally important is the ad-outlets are now being explored vantage that the drying method for use of the dry fine powdered

The first stage of drying inthe absence of oxygen) which side the poultry house costs around \$3/ton of 30 per cent The drying system was de-moisture manure remaining veloped as a component of the This cost is calculated on the sloping wire floor egg produc- basis of the net increase in kilotion system Basically, it con- watt consumption for ventilasists of blowing air at velocities tion because of the drying fans over 500 feet per minute across mounted directly over the man the manure as it falls to the ure. Cost per kilowatt is as floor underneath the sloping sumed at 11/2 cents The cost wire along with stirring the does not include capital invest manure several times daily ment for the additional fars Fans circulating air are mount- Electrical costs for stirring are ed underneath the birds housed negligible. To dry the manure on the wire floor and about 15 from about 30 per cent to less inches above the manure Fans than 10 per cent adds another are centered over floor areas 10 \$2 to \$3/ton of dry manure to 12 feet wide and spaced 50 Thus, for around \$7/ton for feet apart lengthwise to the electrical and fuel costs a salehouse. All fans but the one next able product can be produced to the cross elevator located at It is saleable, because the offen the end of the house blow air in sive odors so common to poula horizontal fashion. The fan try manuie have been eliminat next to the cross elevator is ed and is in a physical form rectly downwards into the man- The chemical content has excel-

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tality rate for the first eight months on this flock with one-half of one percert per L. F. Photo month.



ALLEN E. TATE, Personnel Assistant mounted so as to blow air di- which can easily be handled at Victor F. Weaver, Inc., (2nd from right) and Jay Irwin, Associate County Agent

(right) watch workers on the production L. F. Proto

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