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Fondo europeo agricolo per lo sviluppo rurale: l'Europa investe nelle zone rurali



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**Programma di Sviluppo Rurale 2014-2020. DGR n. 1203 del 26/07/2016 e s.m.i.
Domande di aiuto per la Misura 16 – Cooperazione**

Study of the possibility of insect integration in Venetian local poultry breeds diet

Insect Feed Chick project - Innovation brokering

Dr. Alberto Sartori

Alberese 09 novembre 2017



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“Insect Feed Chick” is a project group constituted as
Temporary Association of Aim in date May 18, 2017
Measure 16.1.1 Venetian Rural Development Program -
Innovation Brokering.



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Partnerships :

5 Farms

- *Il Tramonto*
- *Compagnin Michela*
- *Bottazzin Raffaella e figli*
- *Ponchio*
- *Sartori Carlo*
- *Trivellato Luca*

5 Partners of instructions and professional training

- *Rete delle Scuole Agrarie e Forestali del Triveneto*
- *I.I.S. Antonio Della Lucia*
- *I.S.I.S.S. Domenico Sartor*
- *I.I.S. Duca degli Abruzzi*
- *CIPAT Veneto*



I.I.S. Antonio Della Lucia



I.S.I.S.S. DOMENICO SARTOR



I.I.S. Duca degli Abruzzi



Rete delle scuole in agricoltura e forestali del Triveneto



Centro Nazionale Professionalità e Assistenza Tecnica della Regione Veneto

2 Scientific and technological Partners

- Department of Animal Medicine, Production and Health — *MAPS - University of Padua*
- *Butterfly Arc—Esapolis*



UNIVERSITÀ DEGLI STUDI DI PADOVA





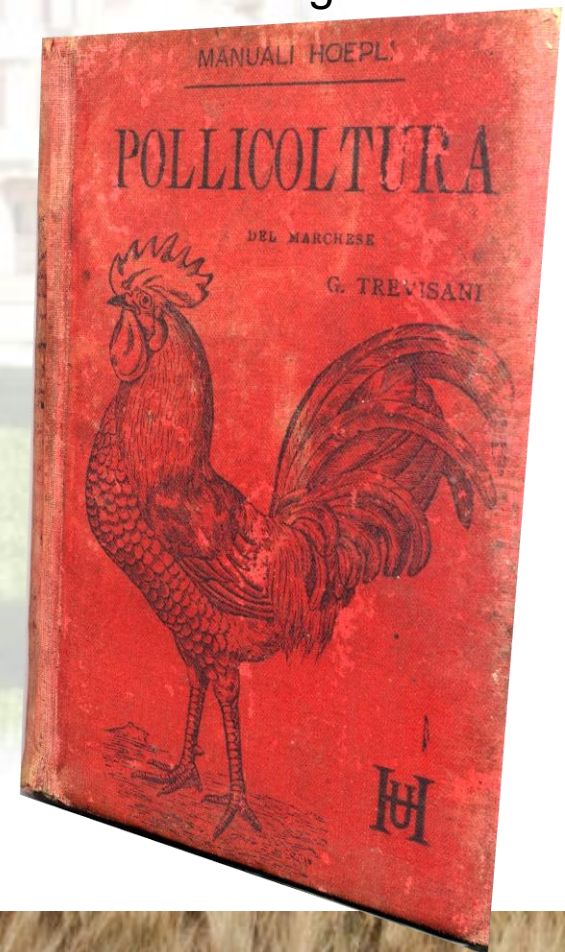
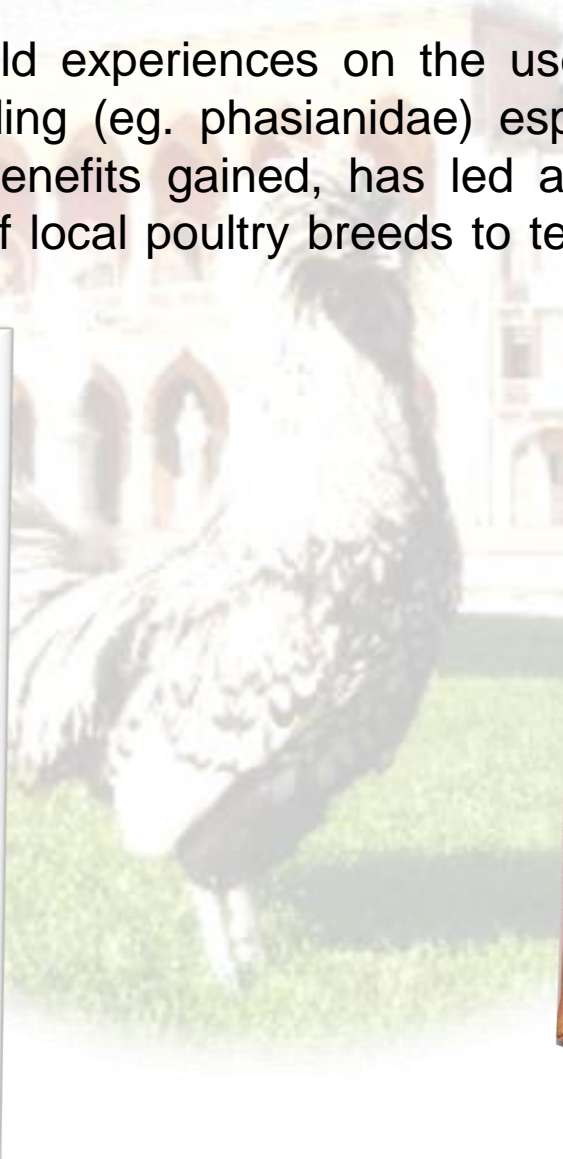
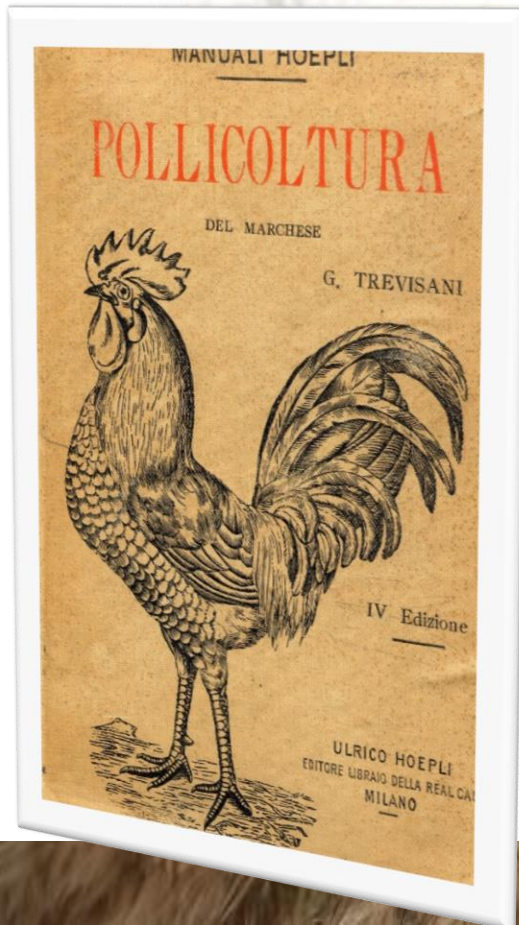
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Past knowledge and field experiences on the use of insects for the restocking avifauna feeding (eg. phasianidae) especially in the early stages of life and the benefits gained, has led a group of breeders engaged in the rearing of local poultry breeds to test insect integration in first age of its feeding





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Field experiments were carried out at the Compagnin Michela farm in Casalserugo (PD) on the use of silkworm chrysalis (wastes off silkworm breeding) as part of the daily diet of Padovana breed chicks administered from day one up to 60 days old.





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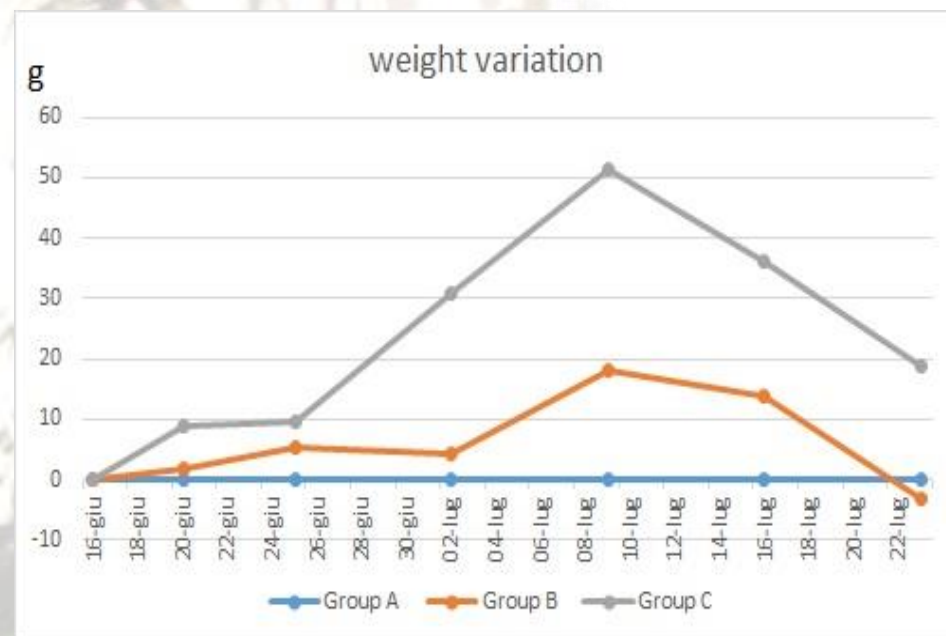
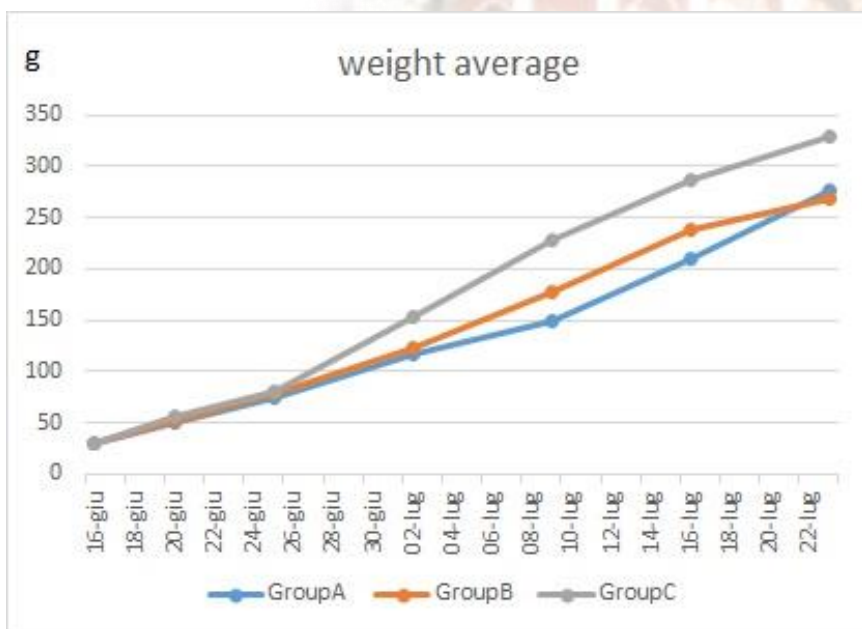
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Interesting results in the performance of animals feed with integrated diet have been found compared to animals feed with non-integrated diet.



Group A: commercial feed; Group B: 95%A+5%insect integration; Group C:80%A + 20% insect integration



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Conclusion:

- ✓ The integration with insects could bring interesting benefits to reduce protein and lipid cost of feed.
- ✓ With *in situ* insect production, farms could recycle unused vegetables to feed insects, and reduce the costs of disposal waste.
- ✓ The study is currently facing regulatory criticism in the hope to demonstrate at the national legislators that using insects at particular stages of chicken life may not be a danger for the consumer, because actually the law ([regulation UE 999/2001 art.7](#)) allows only the utilisation of insect diets in animals pet, fur animals and in aquaculture.



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Thank you for your attention

www.insectfeedchick.org

E-mail: info@insectfeedchick.org