Proceedings of the 52nd Italian Society of Agricultural Genetics Annual Congress
Padova, Italy – 14/17 September, 2008
ISBN **978-88-900622-8-5**

Poster Abstract – B.09

SPECK EVALUATION ON COMMERCIAL SPAGHETTI USING AN IMAGING SYSTEM

VENORA G., GRILLO O., SACCONE R., RAVALLI C.

Stazione Sperimentale di Granicoltura per la Sicilia, Via Bouganvillea 20, 95041 Caltagirone (Italy)

spaghetti specks, quality, image analysis, Triticum durum

A quick and objective imaging method was developed to count the dark and white specks in spaghetti strands acquired using a flatbed scanner. The method simultaneously measured individual speck size and colour and determined the overall colour of the spaghetti product. Speck counts were determined for spaghetti samples available in shops from many Italian producers. Differences in speck counts were found among samples of comparable spaghetti size by different producers. In a previous work it was demonstrated that the manual (visual) counts made by technicians, were not consistent due to subjective variations in technician evaluation, supporting the need for this objective approach. The imaging method gave very consistent speck counts and colour measurements. Interesting possibilities for the use of this method in quality control of pasta are considered at the end of the paper

Measurement of spaghetti specks size and colour using an automated imaging system -2008 S. J. Symons, G. Venora, L. Van Schepdael and M. A. Shahin. Proceedings of the 13th ICC Cereal & Bread Congress-Cerworld 21st “Cereals worldwide in the 21st century: present and future” 15-18 June - Madrid.