

## Detection of hard vitreous and starchy kernels in amber durum wheat samples using hyperspectral imaging (GRL Number M306)

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### Introduction

The Grain Research Laboratory (GRL) of the Canadian Grain Commission (CGC) is committed to developing objective instrumental methods for grading grains and quality assessment of grain products. Historically, method development at the GRL has been carried out through independent research in the technological areas of conventional image analysis and near infrared (NIR) spectroscopy. NIR spectroscopy has been successfully used to determine moisture and protein contents in grains while imaging has been successful in determining spatial or morphological characteristics of grains such as size and shape of kernels, and speckiness in noodles.

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