



IFPRI BRIEF TEMPLATE

Check One: Project Review Collaboration
 Workshop Other

Descriptive Title	Influence of milling temperature on breakage behaviour and product attributes
Working Title¹	Cryogenic milling
Technical Area²	SR
Date	25 June 2019
Short Description	Impact of reduction in processing temperature on grindability and product attributes Review of mill capacity performance, breakage behaviour and product attributes changes obtained by cryogenic milling.
Objectives	Identification of solid-state properties of materials which are responsible for changes in breakage behaviour or mechanism as a result of temperature. Identification of particle and bulk properties of materials that are influenced by temperature during the milling process and have positive or negative effect on processing performance How do milled product attributes change with operating temperature, excluding solid-state transformations
Scope	Both inorganic and organic materials To include impact and shear mill types

Recommended Contractors (2 or 3)		
Name	Institution	Email Address
To be identified!		

Submitted By:	
Name	Organization
Kyle Sala	Keurig Dr Pepper
Jason Lang	Ecolab
Scott Limestoll	Lincoln Electric
Gary Liu	Du Pont
Jarrold Hart	Imerys

¹ Title used in meeting agendas and file archives

² One or more from the following list: W = wet systems; D = dry systems; F = particle formation; SR = size reduction; M = modeling; SE = systems engineering

Chuck Compson	Almatis
Mark Snyder	Almatis
Rohit Kumar	Alkermes
Brian Levy Polis	FMC
Lisa Taylor	Pfizer
Pieter Vonk	DSM
Filip Francqui	GranuTool