Senior Capstone Design		
Project:	Forest Products Debaler	
Team:	<b>UI-Debalers</b>	

## Design Validation Plan & Results (DVP&R)

Requirement	Test	Test Subject
Minimal generation of fines during debaling of material	Fluff bale material apart and measure fines already contained in bale before processing	1 straw bale and 1 grass bale
Force requiered to draw claws through material	Draw a pitchfork through the bale material in different orientations and measure the force requiered to do so	1 straw bale and 1 grass bale
Consistant feed of bales into debaling mechanism	Test whether a claw feed, conveyor feed, or gravity feed best suit the goal of the project	1 bale, as well as conveyor, claw, gravity feed mechanisms

Primary Author:	Sean Leonard	
Date:	10/24/2019	

Target Date	Result	Recommendation
10/21/19	Tested 10/21/19 -1 flake of straw contains approximately 2 oz of fines, 1 flake of grass contains approximately 4 oz	
10/21/19	Tested 10/21/19 - Force to draw pitchfork though bale at a depth of 2" ranges from 5-15lbs	Draw claws through bale perpendicular to the orientation of the material, as this was observed to require much less force and casues better dispersion of material
11/18/19		