



# Science and Technology for Pharma&Biotech, Nutrition and Well-Being

IEDC Business Roundtable – TJaranson – 03/21/2014

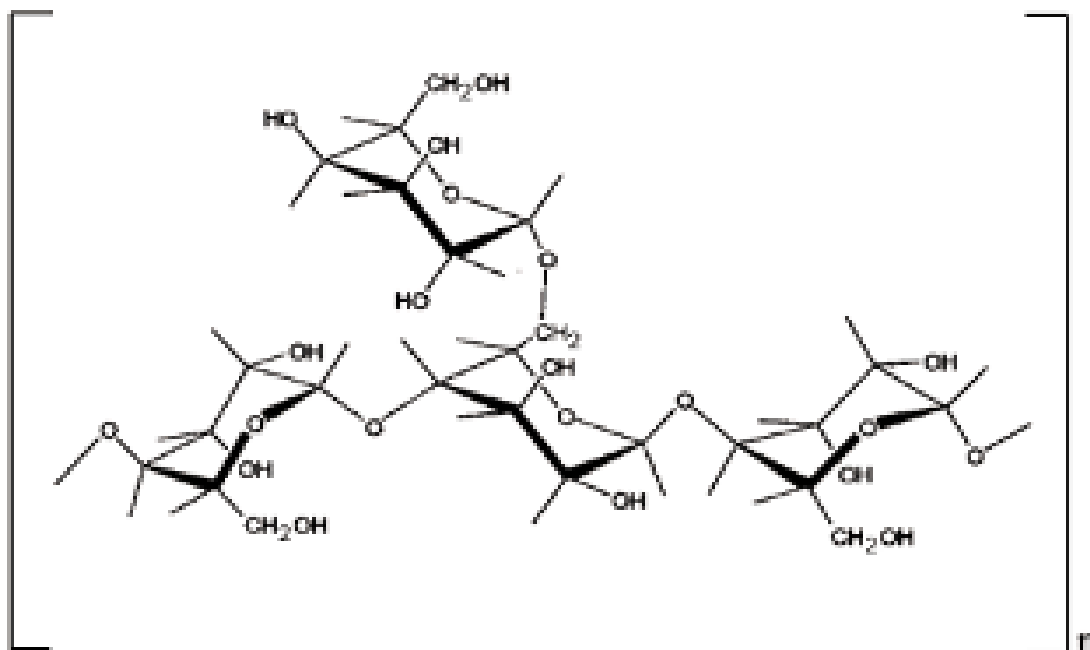
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slide 1

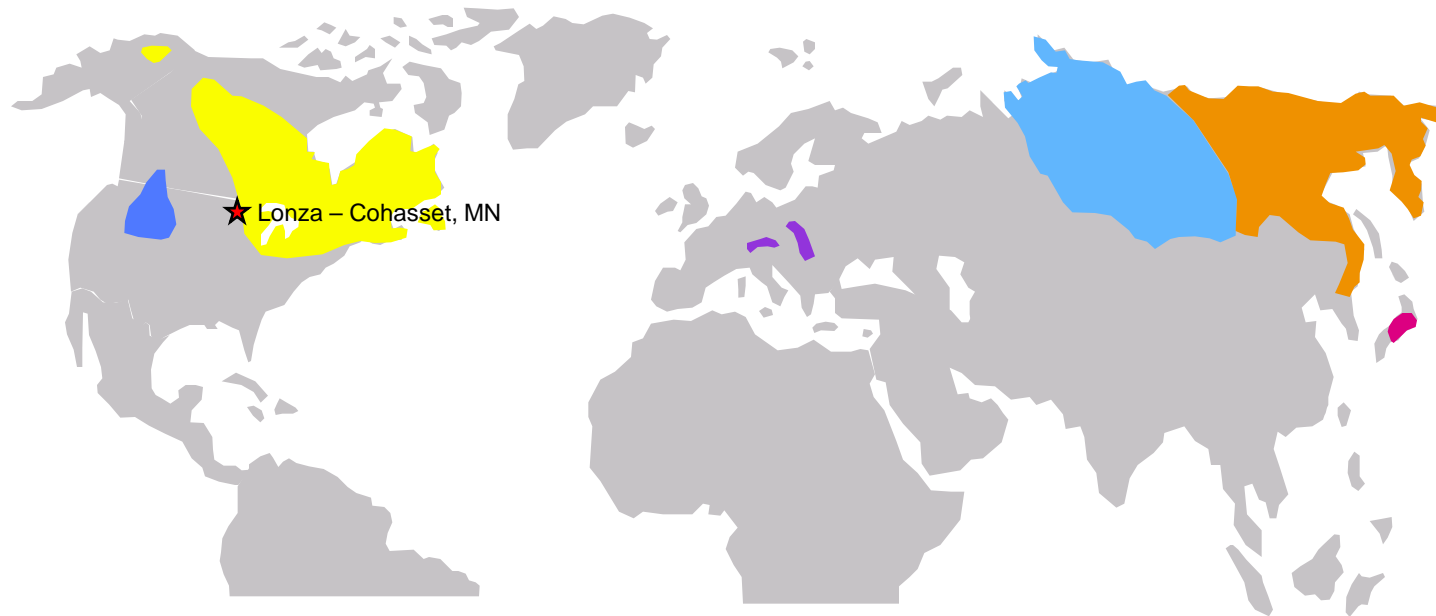
# Larch Arabinogalactan (LAG)







- Arabinogalactans are long, highly branched polysaccharides of varying molecular weights
- Arabinogalactans are composed of galactose and arabinose in a 6:1 ratio
- They contain a galactan backbone with side-chains of galactose and arabinose



# World wide distribution of Larch

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- |   |                          |   |                 |
|---|--------------------------|---|-----------------|
|  | Western Larch            |  | Mongolian Larch |
|  | Eastern Larch (Tamarack) |  | Japanese Larch  |
|  | European Larch           |  | Siberian Larch  |

# The Process

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LAG produced in different grades to serve the following markets:

- Immune – ResistAid, ImmunEnhancer, Manna 2000
- Fiber - FiberAid
- Personal Care – LaraCare A200
  - Animal Health – LaraFeed Powder, LaraFeed Liquid