

Innovated Crop Production

December 5, 2018

Wanham, Alberta

By: Brain Harcourt

Innovated Crop Production..PCBFA..

Speaker.. Lana Shaw, P Ag, MSC.

Mixed Grain Intercropping.

Quotes and Comments.

Inter cropping is a big change!

Lots of people want change but very few do.

No easy answers"simple but wrong,complex but right".

Inter-seeding produces two or more products.

Products would have to be separated of course.

Harvest both at the same time so maturity is important.

Suggested grains, Canola and Field peas.

Seed to pick a main crop--a winner.

Total \$ value yield and cost to separate.

Speaker..Calvin Yoder..Forage Seed Specialist..AB Ag +F..SR..AB.

Grass and Legume Seed Research, With B'lodge Research Station.

Quotes and Comments.

Past summer-testing chemical tolerances on grass and legumes
for weed control and fungicides on insects.Production of grasses and legumes
in our Peace Country is down by 31% and 20% in acres.

Manitoba-23%, Sask-25%, South AB, 18%.

2008, we produced 80M lbs of CRFescue, 2016 only 49M lbs.

Exports, CRF by far # 1 in pounds, #2 alfalfa, #3 rye grass.

US main buyer of CRF, some to Europe.

Buyers purchase as they need.

Farm sales of CRF 30M+, all legumes including alsike 700K lbs.

There 6 seed companies in the Peace to deal with or just get advice from.

Many options in the markets, check with the buyers.

Supply and demand dominates purchasing,
quality, germination,dockage, all play a part in the price offered.

CRF sales fairly strong last few years but prices not great.

Alsike price about \$1.30, Timothy poor.

Seeding grasses very important to start with a clean field.

Apply a pre seed herbicide and spray again early in the weed season.

Watch for grasshoppers!

Apply N in the fall.

Seed alsike into wheat stubble...Not Canola!!

Grasses and legumes have low input costs and harvest in the fall.
Good for your soil.
Larger farmers show little interest in grass or legumes.

Consider risks, benefits, Workload, costs, yields,
maturities and time of year.
Keep good records!
Most of info was about how they do things in south east Sask.
Different soils and way different climate.
For more info.
SE_RESEARCHFARM.
South East Research Farm Inc.
Redvers Sask--306 452 7253
lshaw.serf@gmail.com

Powering Your Profits

Speaker..Gregory Sekulic..Ag Specialist.
Peace Canola Council of Canada.
Wildlife Friendly Farming for Fun and Profits.
From Growers to Exporters.
Quotes and Comments.
Canola acres are static.
Over 70% of wet lands have been drained, 12% in the last decade.
Farm consolidation well under way, sq flat fields, no fences, no trees
very few low spots.
Not much land cleared last few years.
20% of wet lands remaining are on farms.
Pollinators, honey bees, butterflies, wasps etc,
are under threat by bears!

In Western Canada there over 400 species of bees, 800 of spiders
1400 of parasitical wasps, 50 of caralid beetles
Some of these will eat cutworms and other pests.
Lygus bugs, diamond back moths and root maggots are their prey.
Think of the beneficial insects before you spray.
sekulic@canolacouncil.org
@sekulicccc
1 204 298 4364.

Speaker...Justine Cornelson..Ag. Specialist CCC.
Black Leg and Clubroot.
Canola...50 bushels/acre by 2025.

B.L..silent yield robber causing international trade problems.

C.R.. fast spreading over western Canada.

Quickly overcomes resistant varieties.

Soil born disease could last in the soil 20 years ,
up to billions of spores per gram of soil.

B.L..Stubble born disease that pinches off the stock
at ground level,leaf lesions and stem lesions.

5 steps to decreasing yields--0 to 5, each step 20% loss.

C.R..spores go where dirt goes.

Check field entrances. At 1000 spores you have a problem.

B.L..2018 prevalence in 12% of Alberta fields.

C.L.. in 2500 fields, 73 in AB.

BMP--Best management practices.

#1 Crop rotation, #2 scout for disease, field resistance used
burning helps, liming helps.

Control basic weeds,fungicides if necessary.

DO NOT TILL. Patch management if you can.

Clean your equipment.

B.L..scouting-pull up some plants, best at swathing,
watch for the low spots and waterways.

Seed resistant varieties.

clubroot.ca

blackleg.ca

@Cornelsenccc

Dean Gallimore..Taxes Tips and Traps..

CPA..CBV--Certified Business Evaluator.

Check your passive income!

Corporations have a big advantage until you want to sellout.

Land Rent is a passive income.

Check out a Bare Trust Agreement.

He is holding a 2 day conference in Red Deer Feb. 27-28, 2019.

Speaker..Steve Groff, Chesapeake Bay area, Pennsylvania area, USA.

"The Cover Crop Coach".

Quotes and comments.

Soil Health Overview and Effects on tillage of the soil.

Simple concept but complex.

Success is based on management, hard to build,hard to maintain,easy to destroy.

Manage the soil the way it was designed to function.

Many species of living roots at all times.

Cover crops are cash crops, intercropping is key.

Cover Crops

Plan ahead, have plan B. See "Can't buy soil health" U Tube.

Organic matter is a must!

Could take ten years to build the soil, every year it should improve.

If you use too much tillage the soil cannot harvest the rain as it should.

Be an opportunist, are you totally prepared?

The hi

If you use too much tillage the soil may not harvest the rain as it should.

Be an opportunist, are you totally prepared?

The history of each field is unique.

There should be no bare soil, interseed with 6 to 10 varieties of seeds, you pick.

Is your soil better now than it was 20 years ago?

Educate rather regulate, legislation rarely works.

The Consumer is our new Boss.

Marketing is BIG and growing.

Cover crops, inter seeding, between the rows, makes fertilizers more efficient.

Manure, urine, saliva and even hair are all good.

Better to spend your \$ management than the bag or the bottle.

Treat your soil like you would your body.

Do you only eat 4 months of the year.?

Can't improve soil health without plants.

Harvest hay in August then graze as long as possible.

"Bale Graze" on the poorest soil, roll them out and the cattle will do the rest.

Soil health is a life long effort.

The longer you are into a system the easier it become.

The more top cover the less compaction.

The Plow may cause some crusting, poor rain infiltration may occur.

Earthworms--36 per sq. yd is good.

CoverCropInnovators.com

Convenient, I-depth & Down -to-earth, Cover Crop Training.

Innovative Crop Production
Coco Hall-Wahnam, Ab
Julie Watchorn

Always start with clean land
A perennial root system is key
Year 1-3 Perennial cereal crop
Year 4-6 annual crops

On going grass and legume seed research

- Herbicide tolerance trials on grasses and legumes
- Growth regulators on grasses and clover
- Weed control and fungicide studies
- Fertility studies
- Clover desiccation trials
- Grass seed testing trials

Canadian Seed Crops and Production Areas(% of total acres)
AB and BC peace region (31%)

- creeping red
- timothy
- brome grass
- wheat grass
- meadow fescue
- alsike clover red clover and alfalfa

Turf and Forage seed in the Peace River Region (AB and BC)

2008- 80.6 million pounds of seed sold

At a farm gate value of \$45.4 million

2010- 41.8 million pounds sold

At a farm gate value of \$20.0 million

2016- 48.8 million pounds

Valued at \$43.7 million

There is 4 categories in turf and forage:

1-turf seed crops= kentucky blue grass

annual and perennial ryegrass

tall fescue

other fine fescue

2-forage grass seed=timothy

smooth and meadow brome grass

orchard grass and wheat grass

3-forage legume= alfalfa

sweet clover, red clover and alsike clover

4-native seed= wheat grasses

green needle grass

fringe brome

others

Establishing Grass seed crops:

-start with clean land

-seed into canola stubble early spring

-use fertilize at time of seeding

-spray weeds early

-monitor grasshoppers

Creeping red fescue- used in lawn mixes with other turf mixes

less demand for it than previous years

Timothy- acres extremely high across western Canada

average yield is 400 lbs/acre

Smooth Brome-strong prices in previous years so

acres increased

average yield is 350 lbs/acre

Meadow Brome-mostly domestic market

yields 400lb/acre for 2-3 years

Brome seed can not have foxtail, wild oats and quackgrass

Wheatgrass-have to be able to store it because it moves quickly

Perennial Ryegrass- average yield 400 lbs acre

Currently strong prices for red fescue, clovers, wheatgrass and perennial ryegrass

Prices have softened for most species in the last 2 years

Markets for most forage seeds are a lot smaller than in the past

Farms have changed over the past 10 years and less interest by large farms in growing forage seed crops

which is good news for grass and legume seed growers