

Agriculture in the Okanagan

Gord Shandler

## Presentation Roadmap

- World Food Scarcity
- Food Security in BC
- Changes in Agricultural Technology
- Environment Farm Planning

## Food Security

### BC Food Supply

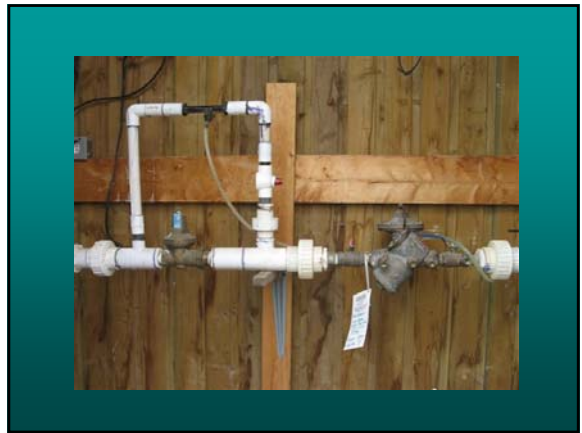
Food Group	BC Consumption Million kg's	BC Production Million kg's	% Self Sufficient
Dairy	1080	817	57%
Meat	467	298	64%
Vegetables – grown in BC	764	331	43%
Fruit – grown in BC	172	273	159%
Grain for Food	315	43	14%
<b>Total – grown in BC</b>	<b>2798</b>	<b>1562</b>	<b>56%</b>
Fruit – not grown in BC	310		
Vegetables –not grown in BC	1		
Sugar	136		
<b>Total - BC</b>	<b>3245</b>	<b>1562</b>	<b>48%</b>


### Production from Dry Land Compared to Irrigated Land in British Columbia

	Land Base '000 ha	%	Sales \$million	%
Farmed Land	2,587		2,224	
Dry Land Production	2,476	96%	1,328	60%
Irrigated Land Production	111	4%	896	40%

Irrigated land makes up only 4% of the land base but accounts for 40% of gate receipts.







## EFP Program


- **Delivery by**
  - BC Agriculture Council
  - Using 17 Delivery Groups across the province
  - On-Farm delivery by trained Planning Advisors
- **Partners**
  - BC Agriculture Council
  - Agriculture & Agri-Food Canada
  - BC Ministry of Agriculture and Lands
- **Management**
  - Working Group – Farmers and Agencies including MoE, EC, DFO, MAL, AAFC, DU, PFRA
- **Coordinators**
  - Ron Bertrand, PAg and Niels Holbek, PAg



## Environmental Priorities

- Nutrient Management
- Pest Management
- Land and Water Management
- Nuisance Management
- Biodiversity Management

FEDERAL - PROVINCIAL-TERRITORIAL FRAMEWORK AGREEMENT ON AGRICULTURAL AND AGRI-FOOD POLICY (AFP)





## Main Publications

**Reference Guide – 3<sup>rd</sup> Edition March 2005**

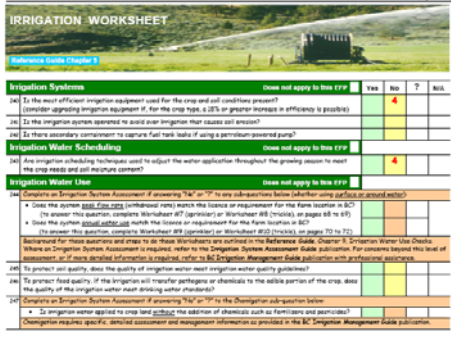
- Posted to BCAC Web Site
- [http://www.bcac.bc.ca/elp\\_programs.htm](http://www.bcac.bc.ca/elp_programs.htm)
- Hard copies available to farmer participants – via workshop participation and Planning Advisors

**Planning Workbook – 3<sup>rd</sup> Ed. March 2005**

- Only available to farmer participants via workshop participation and Planning Advisors
- Will not be posted to Web

### Example Page From Planning Workbook



The worksheet includes sections for Irrigation Systems, Scheduling, and Water Use, with a table for assessment questions and a background section on assessment requirements.


## Supplementary Publications




**Drainage Management Guide**




**Grazing Management Guide**



**Riparian Management Field Workbook**



**Integrated Pest Management Information**  
*(in crop Production Guides)*





**Nutrient Management Reference Guide**



**Irrigation System Assessment Guide**

## Environmental Farm Planning

For Irrigation Assessment:

Basic plan must address:

- Annual water use
- Peak withdrawal rates

If unable to provide an answer an Irrigation Management Plan should be done.




## Environmental Farm Planning




**Irrigation Management Plan:**

- Assesses system performance
- Evaluates crop and soil
- Determines when to irrigate
- How much to irrigate
- Energy Use
- Fertigation



### NFSP BMPs to Sept 30, 2006

Category	BMP	# of Projects (Sept)	Expenditures (Sept)
1	Manure Storage	20	371,444
18	Irrigation Mgmt	86	369,037
23	Preventing Wildlife Damage	34	93,453
8	Product & Waste Mgmt	47	82,148
14	Cropping Systems	14	77,011
17	Nutrient Recovery - Water	5	44,453
16	Improved Pest Management	24	38,097
25	IPM Planning	4	7,813
All others		24	152,217
<b>Total</b>		<b>258</b>	<b>\$1,235,672</b>

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