THE ATHENS REPORTER. APRIL 21, 1915.



Lesson iv., April 25, 1915.

David and Goliath.I. Samuel 17: 1.54. Print 17: 38-51.

Goliath and his armor. How long did Goliath defy Israel? Describe the coming of David to the camp of Is-Commentary .-- I. Goliath's challenge rael. What offer did he make? What equipment did he have? What was the outcome of the combat? Why did Daand David's acceptance (vs. 1-37). 1-11. The armies of the Philistines and of vid undertake the contest with Golithe Israelites were racing each other in a narrow part of the valley of Elah The crests of the hills are about a mile ath Tonic -- Faith demonstrated.

apart and five or six hundred feet high One army occupied the highland on the north, and the other the high-I. For the exaltation of divine land on the south. For one army to leave its place of defence and descend power. II. For the deliverance of Israel.

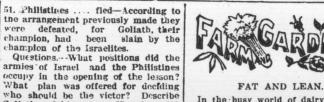
into the plain and ascend the hill on the other side would be to give the I. For the exaltation of divine power. Faith here stands alone in the per other army an advantage and invite son of David. Abject terror' reigned throughout the entire army of Israel. defeat. Each army waited thus day after day hoping that the other would The Philistines proposed to make the here us place of security, but nei-ther would do so. At last the Philis-tines challenged the Israelites to decide issue depend on a single combat be-tween their champion and an Israelite warrior whom they might appoint to meet him. The impotence of Saul and his army without God, was thereby the struggle by single combat. They named Goliath as their champion, was probable that he was the remnant. It was after that humiliating demon-It was after that humiliating demonof the Anakim, nearly all of whom Josstration that the Lord brought hua destroyed, which remnant became the field his own champion. During hua destroyed, which remnant became identified with the Philistines. Goliath was from eight to ten feet in height. The cubit is the length of the forearm from the tip of the middle finger to the overthrow of the adversaries of Israel. nom and the elbow, hence varies so much that the cubit is said to be from sixteen to twenty-one inches. He wore sixteen to twenty-one inches. He wore goodness and force of conviction he metallic armor weighing from ninety was not afraid to let it be known that to one hundred and fifty pounds, and he differed from others. Faith in God his spear weighed from twelve to eighteen pounds. He had a man to view. He felt that the cause of the arry his shield before him to protect armies of Israel was the cause of the living God and that the Philistines

12.37. David's three eldest brothers were in Sau's army and Jesse sent him from Bethlehem to the valley of Elah with food for them. When he saw Goliath's defiance of Israel and the true God, his courage aross and lie de-fied David's burning indignation and true God, his courage arost and life de-clared that he was willing to meet the giant. His eldest brother would have David be quiet, but word came to Saul of David's offer and he sent fer liath's sin increased in proportion as him. Saul doubted the ability of t^{\blacksquare} his faith in God expanded. While youth to fight successfully against the experienced giant, but when David re-David thought of God's power. He experienced giant, but when David re-lated his combat with a lion and a bear and expressed his faith in God, he consented to let him act as the cham-

consented to let nim act as the chain pion of Israel. II. David's armor (vs. 38-40), 38. Saul armed David with his armor— "Saul clad David with his apparel."— "Saul clad David with his apparel."—

"Saul clad David with his apparel. — R.V. It seemed to Saul that David should be properly clothed and protect-ed if he was going into battle with shok a powerful adversary as Goliath. a helmet of brass—In ancient warfare a helmet of brass—In ancient warfare proach from Israel and to let all the the vital parts of the body, and in world know that there was a (lod in many instances the entire body, were Israel. protected with armor that would resist the strokes of the sword or spear. coat of mail—A garment consisting of small, overlapping sheets of metal to cover the upper part of the body. 39. girded his sword-The sword was worn suspended from a belt. assayed—At-tempted, have not proved them—David had had no experience in the use of such weapons as these, hence he distrusted his ability to use them successflict, David did not hesitate. 40. staff-'The shepherd's crook. fully. chose him five smooth stones-Smooth stones would pass more easily through the air than rough, and would be more the cwn defeat when they deprived Israel val- of swords and spears and compelled likely to hit the mark. out brook-Through the centre of the valley ran a brook in the ravine, and there was an abundance of pebbles in the bed of the stream. scrip-A skin David's determination to fight only

bag for carrying his belongings. III. Goliath's boast (vs. 41-44.) 41. The man that bare the shield-Goliath, mighty in physical strength and clad with weighty metallic armor, advanced toward David accompanied by vanced toward bavid accomparies of armies of israel had to reckon with his shield-bearer. David was alone, a youth, and with no weapon of defense youth, and with no weapon of defense



hampion of the Israelites.

PRACTICAL SURVEY.

FAT AND LEAN.

In the busy world of dairving even few meagre calculations show great differences, whether in cows, their owners, the land, the bank deposits or the test of fat, etc.; fat and lean are mixed, good results and poor, even on adjoining farms, even in two stalls in the one stable. One owner gets perhaps 200 pounds of milk from each lean, hungry acre; a neighbor, with better methods, produce the fat total of seventeen hundred pounds of milk per acre, keeping 16 good cows on a well-tilled eighty-acre farm. One milk producer with poor grade cows, never averages of less than three thousand pounds of milk per cow: an other producer, who is a real dairy man, revels in the knowledge of each of his sixteen cows giving over eight thousand pounds of milk that will tes fairly rich in fat. Then when it comes to feeding for

profit, not simply for existence, we find one man with a hundred pounds of milk costing him only 59 cents for feed but a ueighbor has to admit the impeachment of milk costing him per hundred at least 90 cents, perraps over a dollar. So one will make the fat profit above feed of over thirty dollars per cow, while his neighbor is down to the lean margin of only three dollars. Why do such amaz-ing differences occur? Primarily because dairymen has not studied each cow individually. Dairy records alone can shed light on these problems.

In one dairy record centre maintained by the dairy division, Ottawa, in 1914 there were such surprising con-trasts in yields of milk and fat that were arrayed therefore against the power of God. That the power of God they have command the attention of every progressive dairyman. The best cow is one herd

gave only 4.158 pounds of milk and only pounds of fat; the average of whole herd was only 3,772 pounds 155 of milk and 136 pounds of fat. In a herd near by the poorest yield of any one cow was 5,658 pounds of milk and 278 pounds of fat: the herd average 7,255 pounds of milk and 312 pounds of fat.

There were several individual vields of over eight thousand pounds of milk, while one good grade cow gave 14,400 pounds of milk and 562 pounds of fat

Coming to the cost of feed, plenty of herds had an average cost per cow of from forty to fifty-five dollars; even at these high figures the profit above the cost of feed ran up to forty-six and fifty dollars as the herd average. Such results are full of encouragement for the owners, and augur when for the future of cow testing in the Maritime Provinces. Other dairymen may well strive to emulate these rec-II. For the deliverance of Israel. Before David well knew to what he had committed himself, he found himself ords of fifty and sixty-five dollars clear profit above the cost of feed as bloged to a deadly conflict with Goliath, the champion of idolaters. David folt the inimeasurable difference made by good individual cows. This sensible method of determining the respectible merit of each cow as a between material force and moral profit maker lays a solid foundation for building up a singularly interesting force, between man at his proudest and God using his feeblest instrument. herd from a modern business stand point

TREATMENT OF SMUT.

Lord saveth not with sword and spear." The issue proved that the Commissioner Clark, writing in the Philistines laid the foundation of their Agricultural War Book on "Treatment for Smut Prevention" says that Canada there is considerable them to try other means for the acsmut in the grain crops each year, but complishment of their deliverance. that it has not been sufficiently prevalent to make treatment for its prewith the weapons with which he was vention general. The losses, however, familiar was a stroke of military genius, though his confidence rested are much greater than is commonly realized, and the value of the crop reatized, one considerably increased if treatment for snut prevention wers more generally placticed. Over helf the samples of fall wheat collected in contails contain snut, and it is also God. the divine worker. He who defied the armies of Israel had to reckon with treatment to more generally practiced. The samples of fall wheat collected in Outario contain smut, and it is also very common in the spring crops, es-pecially oats. Reports on the samples treated indicate that formalin, one mod in forty gallons of water, is the number of the person apply-the experiment. Each person apply-ing for an experiment should write his name and address very carefully, and should give the name of the county in which he lives.-C. A. Zavitz, Director Ontario Agricultural Careful March, 1915. quered the temptation to share in the general cowardice of the army before he conquered Goliath. Instead of

formation concerning this experimenwork SMUTS AND RUSTS OF GRAIN CROPS.

It is estimated that the losses sustained from smuts in (utario grain crops amcunt to \$2,720,000 annually, about two-thirds of which occur in cats, wheat being the next greatest sufferer. To cope with this danger, Bulletin 22:, entitled "Smuts and Rusts of Grain Crops," prepared by J. E. Howitt and R. E. Stone, has been issued by the Ontario Depariment of Agriculture, for free distribution to those who may apply for it. This very practical bulletin goes fully in-to the cause and cure of smuts and rusts, and gives a number of ways of treating seed grain in order to or lessen injury to grain crops from se causes l'ractical farmer: hail it as a valuable advisor regarding relief from these two common grain troubles.

EXPERIMENTS WITH FARM CROPS

The members of the Ontario Agri-cultural and Experimental Union are pleased to state that for 1915 they are prepared to circulate into every Township of Ontario material of high quality for experiments with Grain, Fodder, Crops, Roots, Grasses, Clov-ers and Alfalfas, as follows: No.1.—Testing two varieties of Oats -2 plots. No. 2a—Testing O.A.C. No. 21 Bar-

No. 2a—Testing U.A., No. 21 Luk ley and Emmer-2 plots. No. 2b—Testing two varieties of two-round Barley-2 plots. No. 3—Testing two varieties of Hul-No. 3-Testing two varieties of Hul-less Barley-2 plots. No. 4-Testing two varieties of Spring Wheat-2 plots. No. 5-Testing two varieties of Buckwheat-2 plots. No. 6—Testing two varieties of Field Peas—2 plots. No. 7—Testing two varieties of Spring Rye-2 plots No. 8—Testing two varieties of Soy, Soja, or Japanese Beans—2 plots. 9-Testing three varieties of No. Husking Corn-3 plots. No. 10-Testing three varieties of Mangels-3 plots. No. 11-Testing two varieties of Sugar ...eets for feeding purposes-2 plots. No. 12-Testing three varieties of Swedish Turnips—3 plots. No. 13—Testing two varieties of Fall Turnips-2 plots. 14-Testing two varieties of Carrots—2 plots. No. 15—Testing three varieties of Fodder and Silage Corn-3 plots. No. 16-Testing three varieties of -3 plots. Millet-No. 17-Testing two varieties of Sorghum-2 plots. No. 18-Testing Grass Peas and two

varieties of Vetches-3 plots. No. 19-Testing Rape, Kale and Field Cabbage- 3 plots. Field Cabbage— 3 plots. No. 20—Testing three varieties of Clover-3 plots No. 21-Testing two varieties of

No. 21-resting two varieties of Alfalfa-2 plots. No. 22-Testing four varieties of Grasses-4 plots

23-Testing three varieties of No Field Beans-3 plots. No. 24—Testing two varieties of Sweet Corn—2 plots No. 29—Testing three grain mix-

tures for Grain production—3 plots. No. 30—Testing three grain mix-tures for Fodder production—3 plots. Any person in Ontario may choose any one of the experiments for 1915 and apply for the same. The material will be furnished in the order in which the applications are received while the supply lasts. Fach applicant should make a second choice, as the material for the experiment selected as first choice might be exhausted



spring

No Cause for Anxiety as to Main Wheat Crop.

Live Stock Came Through Winter Well.

The following information regarding agricultural conditions in this Province is contained in a bulletin prepared by the Ontario Department of Agriculture, based upon information furnished by a large staff of correspondents under date of April 1st. WINTERING CROPS.

Fall Wheat-Reports of correspond-

ents in November described the new fall wheat as never more promising, here being a good growth and a much increased area. The fields were well protected by snow until the middle of March, when in many sections they became comparatively bare, and suffered more or less from alternate hawing and freezing, cold winds, etc., causing some heaving and consider-able browning of the top. The hope was entertained, however, that warm rains and good growing weather later would revive these more back ward fields, as the tops only seemed affected. Late sown fields are the least promising. At present there is cause for anxiety as to the condition of the main crop. Clover.-Clover did not make a good catch last year, especially in the east-ern portion of the Province, owing to the unusually dry summer, and as a consequence new fields were not so well prepared for the trying open spring weather. More or less heaving has occurred in avery district and has occurred in every district, and while a number of correspondents report fields as giving good promise, the prospects of the crop, taken as a

whole, are not so encouraging as might be desired. However, favorable spring weather may yet put a brighter face on the situation. Rye—Rye appears to have to come better through the winter than either wheat or clover, and gives promise of being a good crop.

ORCHARDS AND SMALL FRUITS. No. \$1.53 Fruit trees so far have not suffered much from the winter, especially where care has been given the orch-Co Oa Flo \$6.40 Br ards. A few complaints have been made of injury to peach buds in some localities in southwestern Ontario, but so far the peach orchards of the Niagara Peninsula have been practically unscathed from this cause. Several reern, seed ports were made of girdling of young fruit trees by rabbits and mice, more especially in the County of York. Fruit bushes have come through the winter in good shape, but some cor-Texa Wes respondents speak of injury to straw-Cow Calv berries from severe open weather in March where not mulched.

LIVE STOCK.

The wintering of live stock, owing to the light hay crop and the poor summer pastures of last year, depend-ed largely upon ensilage, straw, roots and other roughage, of which, happily, there was more than the high prices prevailing during the winter.

Horses.—As a class horses have ome through in generally good shape, although a number of minor cases of distemper have been reported. Work-ing horses particularly are said to be in excellent fettle, although perhaps not so heavy as usual, as owners have ost cases been sparing with feed. Cattle.—Cattle also have come through the winter in fair condition -healthy, but somewhat thinner than might be desired, owing to the high price of grains and mill feeds. All ments have been of local nature, no

orted. It is stated that farmers

elding on to their cows in the dairy

Fodder Supplies .- The fodder supply

		•	9
1	TORONTO MARKETS.		
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	FARMERS, MARKET. Eggs, new-laid, dozen 0 22 0 23 Butter, choice, dairy. 0 32 0 35 Spring chicker, dressed. 0 20 0 22 Ducks, dressed, lb 0 18 0 20 Fowl 0 16 0 18 Fowl 0 25 0 28 Apples, Can. bbl. 3 00 5 50 Cabbage, crate 175 2 00 Cranberries, bbl. 5 50 6 60 Onions, bag 1 90 1 25 Do., Spanish, case 1 90 1 25 MEATS-WHOLESALE. 4 50 0 00		
	Potatoes, bag 3 00 3 30 Cabbage, crate 055 065 Cranberries, bbl. 175 2 00 Onions, bag 100 125 Do., Spanish, case 4 50 0 00 MEATS-WHOLESALE. 100 125		
	MEATS-WHOLESALE. Beef, forequarters, cwt. \$ \$ \$50 \$ 9 50 Do., hindquarters 12 50 13 00 Do., choice sides 10 50 11 50 Do., medium 900 10 00 10 00 Do., common, cwt. 6 50 7 00 Veals, common, cwt. 6 50 7 00 Do., prime 13 00 14 00 Do., brop hogs 11 00 150 Do., heavy 9 50 10 50 Mutton, light 11 00 13 00 SUGAR MARKET SUGAR MARKET 100		
	Do. heavy 9 50 10 50 Lambs 16 00 18 50 Mutton, light 11 00 13 09 SUGAR MARKET. Sugars are quoted as follows per. cwt.		
	Sugars are quoted as follows per. cwt. Extra granulated, Redpath's		
	LIVE STOCK. Receipts, 586 cattle, 318 calves, 1.635 hogs.		
	35 sheep. Butcher cattle, choice		
	Do., canners 3.23 50 4.25 Do., bulls 6.25 to 6.75 Feeding steers 6.35 to 6.85 Stockers, choice 6.00 to 9.75 Do, light 6.59 to 5.75 Milkers, choice, each 65.00 to 95.00 Springers		
	Receipts, 586 cattle, 318 calves, 1,635 hogs, 35 sheep. Butcher cattle, choice 7 25 to 7 60 Do., medium 6 50 to 6 75 Do., common 5 25 to 6 6 25 Butcher, cows, choice 6 25 to 6 75 Do., canners 3 75 to 4 25 Do., canners 3 75 to 4 25 Do., canners 3 75 to 4 25 Stockers, choice 6 30 to 6 75 Do., light 6 25 to 6 6 75 Boc, light 5 60 to 5 75 Do., light 5 60 to 5 50 Sheep, ewes 7 00 to 86 00 Sheep, ewes 7 00 to 86 00 Hors, fed and watered 9 00 Hogs, f.o. b. 8 65 Calves 8 50 to 9 50		
	OTHER MARKETS.		
1	WINNIPEG GRAIN OPTIONS.		
	Wheat: Open. High. Low. Close. May 156% 158 156% 1574 July		
	May		
	May 1774 178 1774 1774 July 1 18 1 18 1 804 1 18 0 1 18 0		
	Minneapolis—Wheat—No. 1 hard, \$1.59 7-8; No. 1 northern, \$1.55 3-8 to \$1.59 3-8; No. 2 do., \$1.50 7-8 to \$1.56 3-8; May,		
	Minneapolis-Wheat-No. 1 hard, \$1.59 -8; No. 1 northern, $$1.55$ 3-8 to $$1.59$ 3-8; No. 2 do., $$1.50$ 7-8 to $$1.56$ 3-8; May, 1.53 7-8. Corn-No. 3 yellow, 69 1-5c to 70c. Oats-No. 3 white, 54c to 54 1-2c. Flour-Fancy patents, \$7.80; first clears, 54.40; second clears, \$4.90.		
	DULUTH GRAIN MARKET		
n e s	Duluth-Wheat-No. 1 hard, \$1.60 1-8; No. 1 Northern, \$1.59 1-8; No. 2 North- rn, \$1.52 1-8 to \$1.55 1-8; May, \$1.58. Lin- eed, \$1.97; May, \$1.98.		
	CHICAGO LIVE STOCK. Cattle—Receipts 3,000. Market—Firm.		-
V	Cexas steers, native\$6 00 \$ 8 55		1
C	Cows and heifers 2 80 8 00 Calves 5 50 8 00		-
	Hogs-Receipts 18,000. Market-Slow.		-1
	Aight		
ł	Iea-y 6 80 7 40		1
P	tough 6 80 7 00 rigs. 6 00 6 90		1
B	Sheep, receipts 10,000.		1
N	Market—Steady. Native		1
L	ambs, native		1
re	East Buffalo, N.Y., Despatch-Cattie sceipts 150; active. Veals, receipts 75; slow: 4.50 to 9.00.		

eccipts 150; active. Veals, receipts 75; slow: 4.50 to Hogs, receipts 2,300; active; hes 0 7.85; mixed, yorkers and pigs .90; roughs 6.50 to 6.75; stags an to 7.35; mixed, yorkers and pigs 7.35; to 7.90; roughs 6.50 to 6.75; stags 5.00 to 6.00. Sheep and lambs, receipts 2.400; active; lambs 6.00 to 9.85; yearlings 5.50 to 8.25; wethers 7.00 to 7.25; eves 4.00 to 6.75 sheep, mixed, 6.75 to 7.00. LIVERPOOL PRODUCE.

Wheat, spot, strong er-13s, 4 1-2d. er-13s, 4 1-2d. No. 2 Manitoba-13s, 9d. No. 3 Manitoba-13s, 6d. Corn, spot quiet. American mixed, new-7s, 11 1-2d. American mixed, old-8s, 1-2d. Flour, inter astents-48s. Hors in London (Pacific Coast)-63, 8: to 4. 15s to 14, 158 Hams, short cut, 14 to 16 lbs.-57s. Bacon, Cumberland cut, 25 to 30 lbs s. 6d.

42. Disclaimed him-Goliath felt in-sulted when an unarmored youth presulted when an unarmored youth pre-sented himself for combat against him. notwithstanding his bravery. He conyouth-He may have been from 20 25 years of age. Ruddy-Aubarn-43. Am 1 a dcg-lt was cushaired. tomary for combatants before engagbeing overcome by the rage of Eliab, David went on his course with the ing in a fight to hurl abusive emarks at each other. Goliath's speech was full of vacom, but David's was full of pious trust in the God of Israel. The riant considered the staff a fit instrument with which to punish that detion are strongest in the fight, spised animal, the dog. Curved David that meekness is really an attribute ere Dagon, Baal and Ashtoreth. Goliath called down upon David the curses of these gods. 44. I will giv thy flesh, etc. -- The giant believed h Though the Spirit of the Lord could easily vanquish his adversary He had no regard for God, in whes name David trusted. He was boastful, and it was only a few minutes until his boasting was shown to be in ing mere human force, appeared vain. IV. David's victory (vs. 15-54.) (5

vain. IV. David's victory (vs. 15-54.) 45 Then said David—It was not simply a contest of man with man, but of the true God with false gods. Divid Cx-pressed his firm reliance upot his God. 46. The Lord will deliver the true mine hand. Goliath boosted in the boo himself, but David depended upon Je-hovah. That all the carth may know In Eliab; second, over the precautions of unbelief in Israel, and, third, over David was not considering his own the proud blasphemer, Goliati, David's victories were victories for all Israel.

-David was not considering his own exaliations from the expected victory, but had the honor of God in view, 47. The battle of the Lord's-From a hu-man standpoint the advantage was entirely in Collath's favor. His helnet of brass, his coat of mail, greaves and shield provised complete protec-tion from cay missile ais youthful an-tagenist could burt, but David locked higher than the nature!. He believed higher than the nature!. He believed God would interpose in his behalf. 48. David hasted - He was cager to meet and defeat the foe of God and Israel. 49. Smote the Philistine in his fore-boad. The change aid not in his forehead-The stone either struck an un-protected show or picture the ginn's network. Some singuese that Gelia h railord his head either in using his spear or in Ingling in distain at his aptagenist, and thus exposed his forehead to the missile. David did his best in slinging the stone and trusting God, and God gave the victory, 50 No sword in the hand of David-There was given him a sword when Saul put his armor upon him, but he had laid it aside for the weapon with which he was familiar, and which proved to be the one weapon with which he could successfully most his great opponent.

EXPERIMENTS IN WEED ERADIsame glowing enthusiasm as before. CATION.

A marvellous exhibition was given that day in the valley of Eluh that During the past three years (1912-13-14) the Department of Botany of the Ontario Agricultural College, in those who are gentlest under provocaconnection with the work of the Or tario Agricultural and Experimental of might. In David simplicity and Union, carried on co-operative experistrength of heart appear throughout together with meakness, modest digments in the eradication of weeds. Some forty-five farmers co-operated Some forty-five farmers co-operated in this work. The weeds experimentnity, courage, humility and confidence ed with were perennial sow thistle had departed from Saul, he could recognize twitch grass, bladder campion, wild mustard and ox-eye daisy. Some the workings of that Spirit and bid Godspeed to another in an exploit for-budden to himself. Goliath, representvery interesting and valuable results were obtained. Those who took part in these experiments profited by the

sword and shield, helmet and spear. experience. In nearly every instance they cleaned the field experimented with, and demonstrated to their own Oats Barley satisfaction the effectiveness of the methods tried, and at the same time Corn (husking Flax the results furnish practical informa-Rye tion to others. Some of the practical Fas information gained from these co-op-Reans Buckwheat erative weed experiments. Mixed grains 1. That good cultivation, followed tails of "the way somebody blundered by rape sewn in drills, provides a Potatoes .

Terrips and other means of eradicating both perennial roots ow thistle and twitch grass. 2. That rape is a more satisfactory In Italy there are more theatres in Hay and clover ...

crop to use in the destruction of Fodder corn Sugar beets grass than buckwheat. twitch

That rape gives much better results in the eradication of twitch grass and perennial sow thistle when sown in drills and cultivated, than it does when sown broadcast.

4. That thorough, deep cultivation in fall and spring, followed by a well fall and spring, followed by a well cared for boed crop, will destroy ladder campion

5. That mustard may be prevented from seeding in oats, wheat and bar ley by spraying with a twenty per cent, solution of iron sulphate.

These co-operative weed experi ments will be continued this year. The weeds to be experimented with are perennial sow thistle, twitch grass, bladder campion or cow bell, wild mustard and ox-eye daisy. All who have any of these weeds on their farms are invited to write to the Di-rector of Co-operative Experiments in Werd Eradication, O. A. C., Guelnh When Writing Mention This Paper.

(Brantford Expositor.) The U-3, the U-47 and many other Ger-man submarines U-5, have been put out of sight, but the I. O. U. is still in ordenee. Ontario, who will gladly furnish in-

serious outbreak of disease being recounties owing to the good prospects for cheese, and that more calves are being retained than formerly. Sheep.—Sheep have been wintered better than any other class of live

AVERAGE VALUES OF ONTARIO CROPS.

stock. They are doing well, and lambs are coming strong. Swine. Hogs have been kept thinner The figures in the following table re obtained or deduced from the Centhan usual, but it is said that they ber, 1914, and January, 1915. Profits ber acre for 1914 will vary with the have suffered less from crippling than for several winters past. A few pigs have died, but no serious disease ost of production, yield and market is at present affecting swine. rice. Average yields and values per acre

at the present time is largely a matter of local—or individual—experience. of field crops for Ontario in 1914: Ave. yield. Ave. value Hay and straw, where not too freely Crops. per acre. per acre. tris Fall wheat 21.51 \$23.23 Spring wheat 13.80 20.12

56.11

15.76

18.00

36.68

167.35

430.21

tons

10.95

9.0

.

cost of production.

THE WORST STILL WITH US.

sold to pressers at tempting prices, will be sufficient in most cases, and there will also be enough coarse grains on hand to meet requirements. Pro-gressive farmers have an ample supply 17.15 35.00 of roots for all needs, while the exce 19.42 38.71 lent crop of corn last year ensures an abundance of either ensilage or dry fodder. In this connection a corre-spondent tersely remarks: "Ensilage solves the feed problem." 14.61 16.09 21.12 INCREASED PRODUCTION. 16.38

23.09 Correspondents are not unanimous egarding the response to the call for a larger production. A few are 90.35 spoken against the revenuent, fearing over-production with a lowering of prices, but the great majority of these 7.00 prices, but the greap importing of these reporting heartily endorse the patriot-ism and production idea, and it is cer-tain that there will be a substantial 51.65 Alfalfa 2.20 These figures ar interesting in

13.92 gain in the quantity of me sidering increased production for 1915. The cost of production includes the commodities raised this year on On-tario farms.

tost of preparation, seed, seeding, cur-tivation of crop, harvesting, thresh-ing, wear and tear of implements and rental value of land. Ireparation in-rental value of and land in the cost of applying manure (if Fall wheat already shows a decided. ly increased area. More fall plowing than usual was done, much of it with old sod, and while this may mean cludes the cost of applying manure (if any.) The value of the manure is counted as offset by the bye-products, increase of grain (especially of oats), and of corn or roots, it will also mean to some extent less pasture. straw, fibre, stalks. Figures are not available for the capnery districts a smaller acreage will be devoted to supplying the fasprofits per acre of the heavier-yielding crops, as potatoes, roots, etc, but their high values should not lead the to raising general farm crops. The cheese season will be earlier than usual, and this will require an infarmer to overlook their increased creased production of milk and con-sequently a greater consumption of fodder.

One drawback to farm crop development is the lack of competent labor; for while help is offering fairly freely it often lacks quality.

2s. 6d. Short ribs. 16 to 24 lbs.—65s. 6d. Clear bellies. 14 to 16 lbs.—59s. Long clear middles, light, 28 to 34 -64s. 6d. Long clear middles, heavy, 35 t bs.—64s. 16 to 20 lbs.— Short clear backs. 16 to 20 lbs.—

s.—613. Short clear backs, 16 to 20 lbs.—45 Shoulders, square, 11 to 13 lbs.—48 Lard, prime wsetern, in tierces,

Lard, prime western, in tierce

38, 3d. American, refined—538, 6d. American, refined, 56-lb. boxe Cheese, Canadian, finest white

Colored-95s. Australian in London-40s. Turpentine. spirits-37s. 3d Resin common-11s. 10 1-2d. Petroieum refined-9 1-4d. Linseed Oil-37s. 6d. Cotton Seed Oil, hull refined, spot 2s. 6d.

MONTREAL MARKETS.

Receipts: cattle 200; cows and sprin rs 65; calves 1,600; sheep and lambs 12

were no really prime beeves few of the best cattle fetch 1-4, and from that down to r medium stock while comm from five to six cents. \$40 to \$30 each.

Lambs 8 1-2 to Hogs 9 1-4 to 9 1-2.

CANADIAN

Ottawa Despatel sualties have be

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